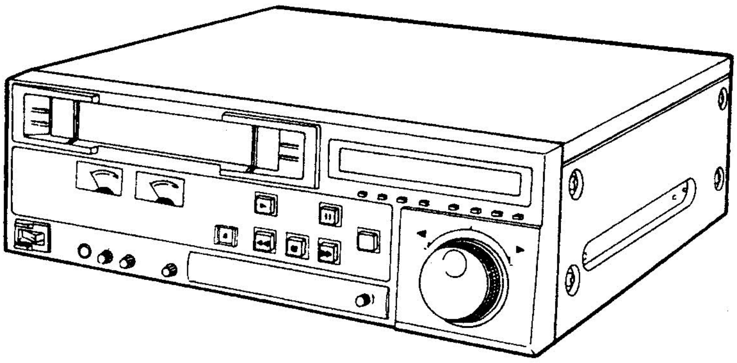
ORDER NO. VSD9411M254
D4

Service Manual

Panasonic S-VHS Hi-Fi

Editing Video Cassette Player

AG-DS840P



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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advice non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

SPECIFICATIONS

ITEM	SPECIFICATION	
Power	Source	AC 120V ± 10%, 50-60Hz
	Consumption	Approx. 69Watts (with AG-A750)
Television Format	EIA Standard (525 lines, 60fields) NTSC color signal	
Tape Speed	33.35mm/s (1-15/16 i.p.s)	
Tape	S-VHS, VHS	
FF/REW Time	less than 2min. (with 120min. tape)	
Operating Condition	Temperature	5℃-40℃ (41°F to 104°F)
	Humidity	35%-80%
Weight	12kg (26.4 lbs)	
Video	Heads	2 roatary heads, helical scaning system 58 μ m(NOR) × 2, 58 μ m(SS) × 2
	Luminance	FM azimuth recording
	Color signal	Converted subcarrier phase shift recording
	Input	REF IN (BNC); 1.0Vp-p, 75 Ω unbalanced
	Output	LINE (BNC × 2); 1.0Vp-p, 75 Ω unbalanced S-VIDEO (4P); Y: 1.0Vp-p, 75 Ω unbalanced C: 0.286Vp-p (burst), 75 Ω unbalanced COMPONENT OUT (BNC × 3); Y: 1.0Vp-p, 75 Ω unbalanced Pr; Y: 0.486Vp-p, 75 Ω unbalanced Pb; Y: 0.486Vp-p, 75 Ω unbalanced VIDEO MONITOR OUT (BNC); 1.0Vp-p, 75 Ω unbalanced
	Signal-to-Noise Ratio	VHS; 46dB (color, SC on) S-VHS; more than 50dB with DNR (color, SC on)
	Horizontal Resolution	S-VHS; more than 400 lines VHS; more than 240 lines

ITEM	SPECIFICATION	
Audio	Heads	Normal Audio Control; 1 stationary head Hi-Fi Audio; 2 rotary heads (42 μ m × 2)
	Tracks	Normal audio; 2 tracks (stereo) Hi-Fi Audio; 2 channels (stereo)
	Output	LINE OUT Hi-Fi (XLR); +4/0/−6dBs, 50 Ω balanced LINE OUT NORM/Hi-Fi (XLR); +4/0/−6dBs, 50 Ω balanced HEADPHONES (¼" PHONE) −60dBv to −20dBv, 8 Ω unbalanced AUDIO MONITOR OUT (PHONO); 0dBv, 600 Ω unbalanced
	Frequency Response	Normal; 50Hz to 12kHz Hi-Fi; 20Hz to 20kHz
	Dynamic Range	Hi-Fi; more than 90 dB
	Signal-to-Noise Ratio	48dB (Normal audio, NR on)
Dimensions	16-11/16" (W) × 5-3/16" (H) × 16-5/16" (D) 424 (W) × 131.5 (H) × 415 (D) mm	
Standard Accessories	Power Cable ······ VJA0472	
Optional Accessories	S-VIDEO cable (4P) ······ AG-C71 (5m) AG-CV2 (2m) AG-CV1 (1.5m) Editing controller ······ AG-A800 AG-A770 AG-A750 AG-A350 Slow-motion controller ······ AG-A300 Remote search controller ······ NV-A505 Remote Controller ······ AG-A600 Rack-mounting adaptor ······ AG-M730 34-pin Interface Adaptor ······ AG-IA834 TBC Remote Controller ······ AU-ER65	

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

INTRODUCTION

This Service Manual contains all the technical information which will allow service personnel to understand and service the Panasonic S-VHS Hi-Fi Video Cassette Player model AG-DS840P.

This model is video cassette player for editing applications which was developed for appllications in industry, educational establishments, studios and CATV transmissions.

By the use of S-VHS system, a sharp picture quality with high resolution is obtained, and advanced editing by easy operation is realized by the introduction of highly dependable mechanisms.

Panasonic

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SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. When servicing observe the original lead dress. If a short circuit is found, replac all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protectiv devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs onthe plug.
2. Measur the resistance value, with an ohm meter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwhead connectors, contrl shafts, etc. When the exposed metallic part has a return path to the chassis, the reading shoulb be between 1MΩ and 5.2MΩ.
   When the exposed metal dose not have a return path to the chassis, the reading must be ∞ .

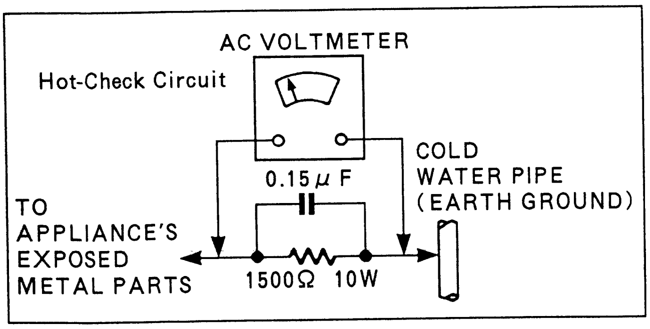

Figure 1

LEAKAGE CURRENT HOT CHECK (See Figure 1)

1. Plug the AC cord directly into the AC outlet.
   Do not use an isolation transformer for this check.
2. Connect a 1.5KΩ , 10W resistor, inparallel with 0.15μ F capacitor, between each exposed metallic part on the set an a good earth ground such as a water pipe, as shown in Figure 1.
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measur the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possiblity of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

ELECTROSTATICALLY SENSITIVE(ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground.
   Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package untilimmediately before you are ready to install it. (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all otner asfety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devoces. (Otherwise harmless mother such as the brushing together of your clothes fabric or the lifting of your foor from a carpeted floor can generate static electricity sufficient to damage an ES device).

SECTION 1

OPERATING INSTRUCTIONS

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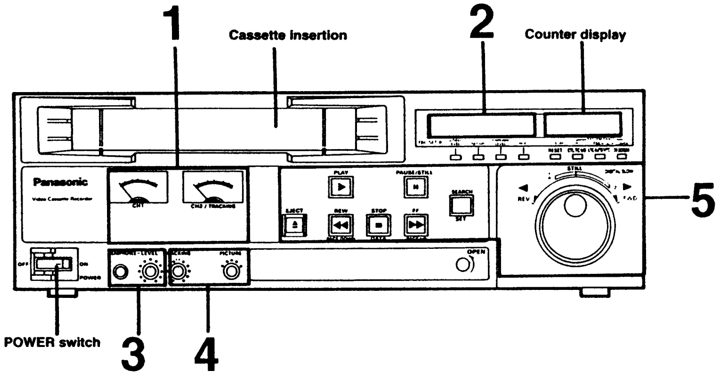
Front panel parts



1. Level display area

Audio (CH1) level meter:	Displays CH1 audio level.
Audio (CH2) level meter:	Displays CH2 audio level or tracking level/video level.

2. Function display lamp area

WIDE lamp:	Lights during WIDE tape playback.
Cassette "in" lamp [⌼]:	Lights when a cassette is loaded.
S-VHS lamp [S VHS]:	Lights in S-VHS mode.
Hi-Fi lamp:	Lights when Hi-Fi audio is recorded or played back.
DOLBY* NR lamp:	Lights when Dolby NR system is used.
FRAME lamp:	Lights in framing servo lock mode.
CH2-TC lamp:	Lights when audio CH2 is used as an LTC track.
SERVO lamp:	Lights in servo lock mode.
CTL/TC/UB lamps:	Lamp corresponding to selected counter display mode lights.
LTC/AUTO/VITC lamps:	Lamp corresponding to selected time code mode lights.

3. Headphone area

HEADPHONE jack:	Connects M6 stereo headphones.
HEADPHONE LEVEL control:	Adjusts headphones volume.

4. Picture quality adjustment area

TRACKING control:	Adjusts noise position.
PICTURE control:	Adjusts softness/sharpness of playback picture.

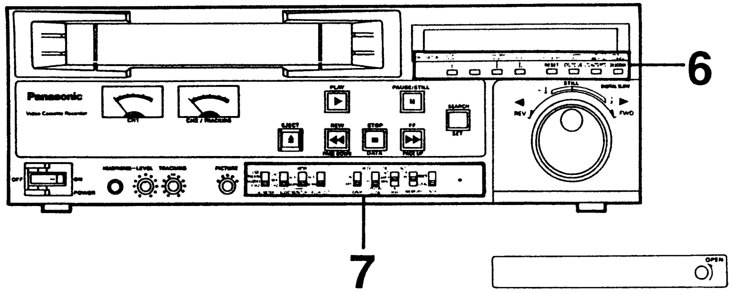
5. Basic operation area

PLAY button:	Starts playback.
PAUSE/STILL button:	Establishes still-picture mode during playback.
EJECT button:	Ejects cassette.
REW (PAGE DOWN) button:	Rewinds the tape; scrolls down page in MENU mode.
STOP (DATA) button:	Stops all operations; sets data in MENU mode.
FF (PAGE UP) button:	Rapidly advance the tape; scrolls up page in MENU mode.
SEARCH (SET) button:	Executes and releases search; sets menu in MENU mode; sets standard level in TBC set mode.
SEARCH/JOG dial:	Adjusts search speed (outer dial for SHUTTLE mode; inner dial for JOG mode); selects menu in MENU mode; sets level in TBC set mode.

***Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.**

***"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.**

Front panel parts (cont.)



To open, turn the screw counterclockwise.

6. TBC mode setting area

VIDEO LEVEL button:	Sets video level in TBC mode.
SET UP button:	Sets setup level in TBC mode.
CHROMA LEVEL button:	Sets chroma level in TBC mode.
HUE button:	Sets hue in TBC mode.
RESET (YC DELAY) button:	Resets counter; sets YC delay in TBC mode.
CTL/TC/UB (SYSTEM H PHASE) button:	Switches counter mode: sets system H phase in TBC mode.
LTC/AUTO/VITC (SYSTEM SC PHASE FINE) button:	Switches time code read mode; sets system SC phase fine adjustment in TBC mode.
ON SCREEN (SYSTEM SC PHASE COARSE) button:	Displays data on monitor TV; sets system SC phase coarse adjustment in TBC mode.

7. Function setting area

CH2 METER switch:	Switches between tracking/video meter and audio CH2.
AUDIO MONITOR switch:	Selects monitor audio channel.
AUDIO MONITOR (METER) switch:	Switches monitor audio type.
AUDIO OUT switch:	Switches output audio type.
DNR switch:	DNR operation switch (Y and C levels set using the setup menu).
DIGITAL SLOW switch:	Changes digital slow setting and dial speed mode.
DIAL MODE switch:	Switches search dial mode.
MEMORY switch:	Switches memory mode when CONTROL switch is set to "LOCAL"; switches editing mode when CONTROL switch is set to "REMOTE" (34-pin controller only).
CONTROL switch:	Switches between remote and local modes.

Counter display parts

When the DIAL MODE switch is at the SEARCH position:

Mode	Counter Display	Remarks
CTL	-8:88:88:88	The shaded area remains blank for CTL interpolation while a colon appears in the non-drop frame mode and a period indicates the drop frame mode.
TC	88:88:88:88	
UB	88 88 88 88	

When the DIAL MODE switch is at the MENU position:

Mode	Counter Display	Remarks
SELECT PAGE	SU:88 88	The shaded area flashes on and off.
SET PAGE	SU:88 88.88	
TC PRESET	88:88:88:88	The input digits flash on and off.
UB PRESET	88 88 88 88	

Hour meter display

The following items area indicated alternately while the RESET button is kept depressed.

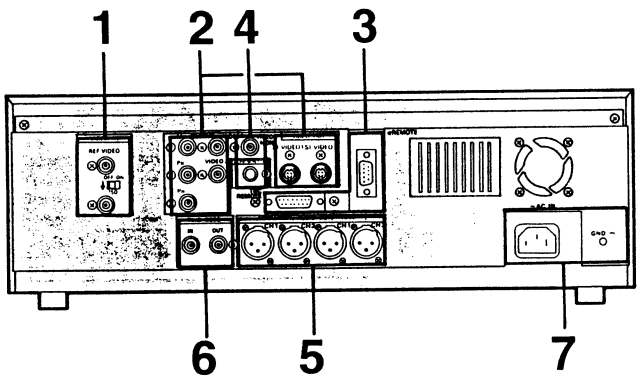
Mode	Counter Display	Remarks
Capstan rotation cumulative time	C 88 88 8H	Set the CONTROL and DIAL MODE switches to REMOTE and MENU, respectively.
Total drum rotation time	d 88 88 8H	

VITC position display

The following items are displayed while the RESET button is kept depressed.

Mode	Counter Display	Remarks
When reading of VITC position was possible	88.88 L	Set the CONTROL and DIAL MODE switches to REMOTE and SEARCH, respectively.
When reading of VITC position was not possible	--.-- L	

Rear panel parts



1. Video input signal area

REF VIDEO IN connector:	Input connector for external reference signal (with loop-through 75 Ω termination switch).

2. Video output signal area

S1-VIDEO OUT (1, 2) connectors:	S1-VIDEO signal input connector.
VIDEO OUT (1, 2) connectors:	Video signal output connectors.
COMPONENT OUT connectors:	Component signal output connectors.

3. Remote signal area

TBC REMOTE connector:	Connector for TBC remote controller.
REMOTE 9P connector:	Connector for editing controller (9P).

4. Monitor output signal area

VIDEO connector:	Output connector for video monitor signal.
AUDIO connector:	Output connector for audio monitor signal.

5. Audio output signal area

NORM/Hi-Fi audio output connectors:	NORM/Hi-Fi audio (CH1/2) output connectors.
Hi-Fi audio output connectors:	Output connectors for hi-fi sound only.

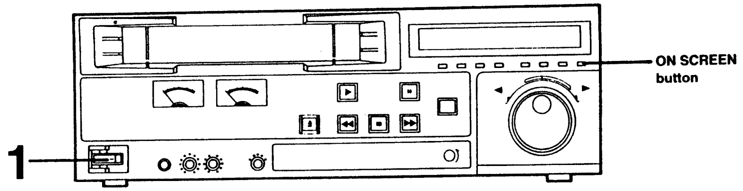
6. Time code signal area

TIME CODE OUT connector:	Time code signal output connector.

7. Power supply circuit area

GND terminal:	When connecting this unit to any other component, make absolutely sure that it is properly grounded by connecting this terminal.
AC IN socket:	Selected to AC 120V power outlet.

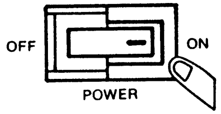
Switching on the power

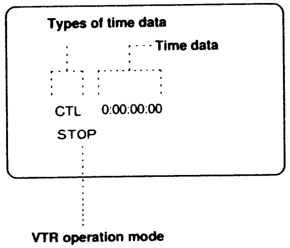


1. Press the POWER switch.

The power is now supplied to the unit.

- The display below appears through VIDEO MONITOR OUT connector if the ON SCREEN button is pressed.

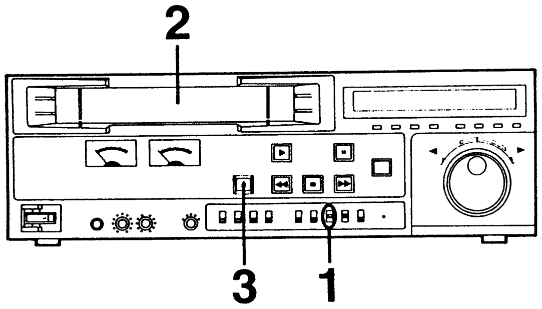




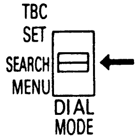
This appears only when item No. 4004 of the dial menu function is ON.

- If an error appears on the display, stop operation immediately and read page 50.

Installing a cassette



1. Set the DIAL MODE switch to SEARCH.

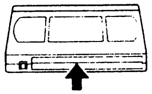


- When the DIAL MODE switch is at "MENU", operations not relating to the dial menu functions cannot be performed; when it is at "TBC SET", operations other than PLAY, STOP, FF, REW, EJECT, PAUSE cannot be performed.

2. To install the cassette tape:

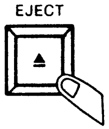
Insert the tape in the slot provided and push the center area of the cassette gently.

The cassette "in" lamp now lights in the function display lamp area.

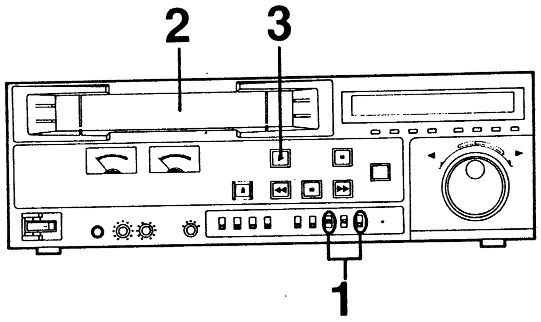


3. To remove the cassette tape:

Press the EJECT button. Draw the emerging cassette tape out straight toward you.
The cassette "in" lamp now goes off.



Playback

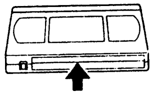


1. Set the switches (see page 19 to 22).

CONTROL switch → LOCAL
DIAL MODE switch → SEARCH

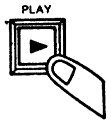
2. Install the cassette tape (see page 12).

Install the tape with the recorded sound and pictures which are to be played back.

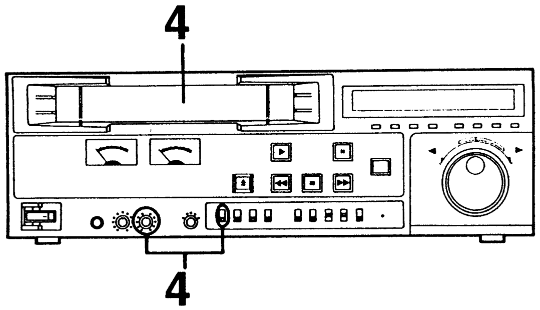


3. Press the PLAY button.

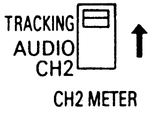
Playback now commences.



Playback (cont).



4. Adjust the tracking.



[1] **Set the CH2 METER switch to "TRACKING."**

[2] **Normally,**

the TRACKING control is set to its center "fix" position for playback.

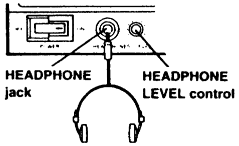
TRACKING
fix

[3] **When playing back a tape which has been recorded on another VTR,**

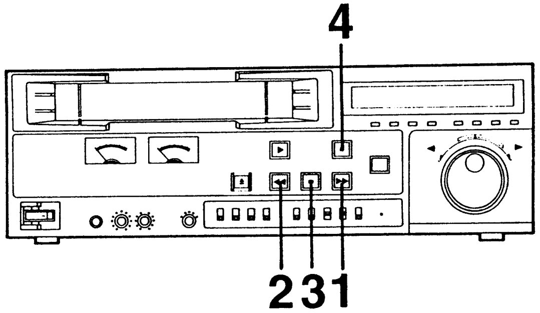
turn the TRACKING control slowly to the left or right and set so that the meter pointer deflects to the maximum.

NOTES

- Set the Dolby NR system ON using the dial menu function when playing back a tape which has been recorded using the system (see page 33).
- If the tracking shifts out of alignment during playback, the Hi-Fi lamp will go out and the Hi-Fi sound will not be output even if it was recorded.
- When using the headphones:
  The volume level may change when high-impedance headphones are connected.
- To playback a signal using an external sync signal, set the "SYNC" (item No. 1001) dial menu function to "EXIT".

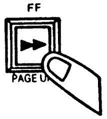


FF, REW stop and pause/still



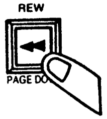
1. Fast forwarding the tape

Press the FF button.



2. Rewinding the tape

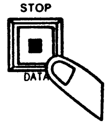
Press the REW button.



3. Stopping the tape

Press the STOP button.

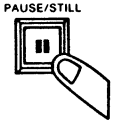
- The STOP button lights and all operations are stopped.
- When the "PB/EE SELECT" (item No. 2004) dial menu function is set to "EE", E-E pictures will appear on the TV monitor.



4. Pause

Press the PAUSE/STILL button during recording or playback.

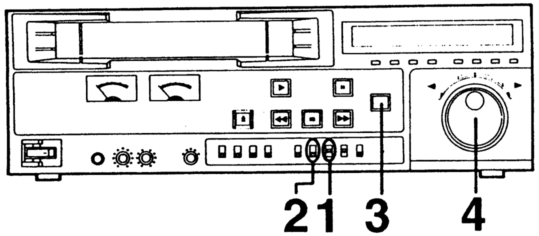
- During playback, the unit is placed in the PLAY/STILL mode and still pictures are played back.
- During recording, the unit is placed in the REC/PAUSE mode and recording is temporarily suspended.



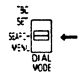
NOTES

- Set the CONTROL switch to LOCAL.
- Set the DIAL MODE switch to SEARCH.
- The unit is automatically placed in the tape protection mode if the STOP or PAUSE/STILL mode should continue beyond a certain period of time (which can be set using the item No. 1002 to 1004 dial menu function). (See page 30.)

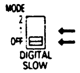
Search operations



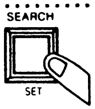
1. **Set the DIAL MODE switch to "SEARCH".**



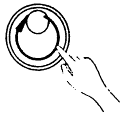
2. **Set the DIGITAL SLOW switch to "1" or "OFF".**

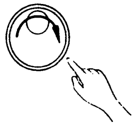


3. **Press the SEARCH button.**
   The SEARCH button, PLAY button and PAUSE/STILL button light, indicating that a search can now be performed.



4. **Operate the search dial.**
   The inner dial is used for the jog mode and the outer dial for the shuttle mode.
   - When the dial is turned toward the right, the tape is played back in the forward direction (the FWD lamp lights); conversely, when it is turned toward the left, the tape is played back in the reverse direction (the REV lamp lights).





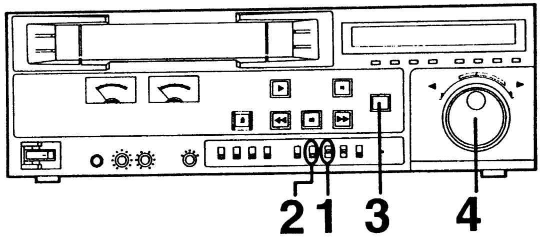
[1] **JOG mode**
Turn the outer dial to the center position. The tape is played back at a speed ranging from a still picture to ±1x the normal speed depending on the speed at which the inner dial is turned. When the truning of the dial is stopped, a still picture display appears regardless of the switch setting.

[2] **SHUTTLE mode**
In response to the angle to which the outer dial is turned, the tape can be played back at a speed ranging from 0 to 32x faster or slower than normal tape speed. (However, when the tape approaches the end, the low-speed search mode is established in order to protect the tape from possible damage.) A still picture results at the center (click-stop) position.

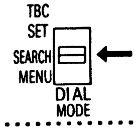
NOTES

- Keep the CONTROL switch at the LOCAL position.
- When the power has been turned on again in the SHUTTLE mode, first return the dial to its center (click-stop) position and then proceed to operate it.
- When setting the direct search mode, set the "DIRECT SEARCH" (item No. 1005) dial menu function to "ON." (See page 30.)

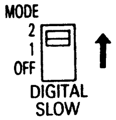
Slow-motion playback



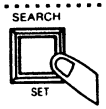
1. **Set the DIAL MODE switch to "SEARCH".**



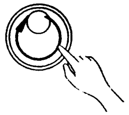
2. **Set the DIGITAL SLOW switch to "2".**

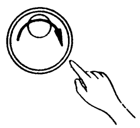


3. **Press the SEARCH button.**
   The SEARCH button, PLAY button and PAUSE/STILL button light, indicating that a search can now be performed.



4. **Operate the search dial.**
   The inner dial is used for the jog mode and the outer dial for the shuttle mode.
   - When the dial is turned toward the right, the tape is played back in the forward direction (the FWD lamp lights); conversely, when it is turned toward the left, the tape is played back in the reverse direction (the REV lamp lights).





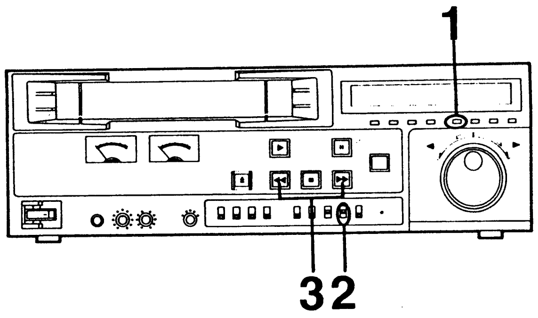
[1] **JOG mode**
Turn the outer dial to the center position. The tape is played back at a speed ranging from −1/4x to +1x the normal speed depending on the speed at which the inner dial is turned. When the truning of the dial is stopped, a still picture display appears regardless of the switch setting.

[2] **SHUTTLE mode**
The tape is played back at speeds ranging from −1/4x to +1x normal speed, depending on the angle to which the outer dial is turned.

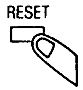
NOTES

- Keep the CONTROL switch at the LOCAL position.
- When the power has been turned on again in the SHUTTLE mode, first return the dial to its center (click-stop) position and then proceed to operate it.
- When setting the direct search mode, set the "DIRECT SEARCH" (item No. 1005) dial menu function to "ON." (See page 30.)
- Noise may occur when a tape is played back in the reverse direction.

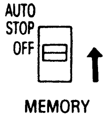
AUTO STOP function



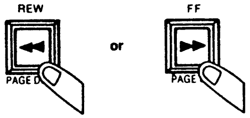
1. **Press the RESET button at the position where the tape is to be automatically stopped.**
   The tape counter displays "0:00:00:00."



2. **Set the MEMORY switch to AUTO STOP.**



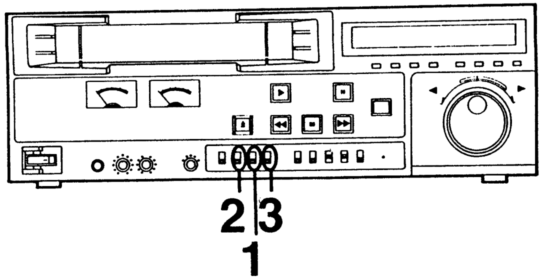
3. **Proceed with fast forward or rewinding.**
   The tape automatically stops when the tape counter display nears the "0:00:00:00" mark.



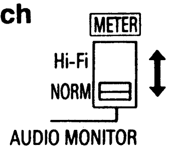
NOTE

■ The AUTO STOP function does not work when:
- The CONTROL switch is at the "REMOTE" position.
- The CTL/TC/UB button is at any position except "CTL."
- DIAL MODE switch is at the "MENU" position.

Setting the audio switches

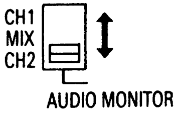


1. **Setting the AUDIO MONITOR (METER) switch**
   This is used to select the sound displayed on the level meter and the sound which is output from the headphones jack on front panel or the AUDIO MONITOR connector on the rear panel.
   Hi-Fi: Hi-Fi sound is selected.
   NORM: Normal sound is selected.

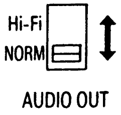


2. **Setting the AUDIO MONITOR switch**
   This is used to select the audio channel for the sound output from the headphones jack on front panel and the AUDIO MONITOR connector on the rear panel.
   CH1: The CH1 sound is output.
   MIX: Mixed CH1 and CH2 sound is output from the headphones jack CH1 sound is heard at the left and CH2 sound at the right.
   CH2: The CH2 sound is output.

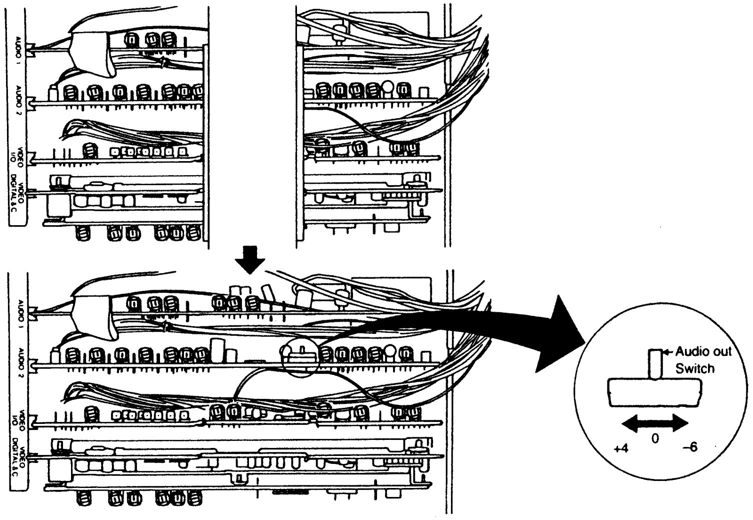
- No sound will be heard from normal audio CH2 when the "AUDIO CH2" (item No. 3006) dial menu function is set to "LTC".



3. **Setting the AUDIO OUT switch**
   This is used to select the sound which is output from the AUDIO OUT (NORM/Hi-Fi) connectors on the rear panel.
   Hi-Fi: Discriminates between Hi-Fi and normal audio automatically. When there is no Hi-Fi audio output signal, normal audio will be automatically outputted.
   NORM: Normal sound is selected.

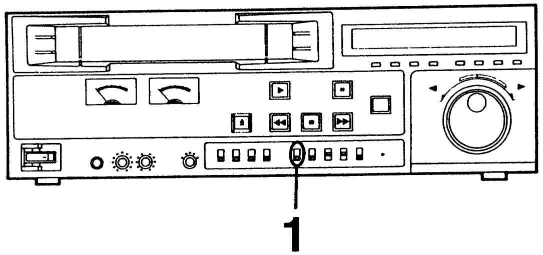


Setting the audio switches (cont).



The AUDIO OUT level can be selected using the switch on the AUDIO2 circuit board (located below the board's metal clamp).

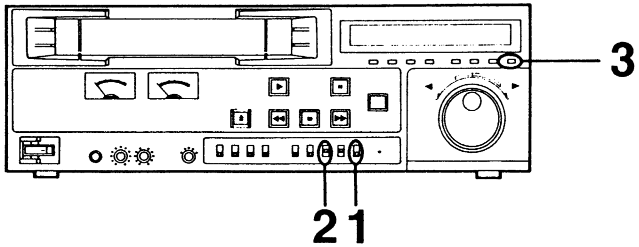
Setting the video switches



1. Setting the DNR (digital noise reducer) switches

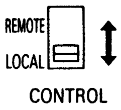
- When playing back a tape with a reduced signal-to-noise ratio, these switches can be used to reduce the noise level as warranted by the picture quality. (However, a slight deterioration in the resolution will result.)
- Keep this switch OFF during editing. The picture may be disturbed if a tape is repeatedly edited.
- Bear in mind that when material is dubbed repeatedly in the DNR ON mode, after-imaging will be prevalent.
- The degree of S/N ratio enhancement can be controlled by setting dial menu function item No. 2013 and 2014.

Other switch settings



1. Setting the CONTROL switch

This is used to set the unit's control mode.

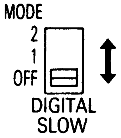

REMOTE
LOCAL
CONTROL

REMOTE: Set to this position for operating the unit by remote control using an controller, etc. Only the unit's eject function will now be operational.

LOCAL: Set to this position to operate the unit.

- The operation modes of this unit in the REMOTE mode can be set using dial menu item No. 5001.

2. Setting the DIGITAL SLOW switch


MODE
2
1
OFF
DIGITAL
SLOW

2: Activates the noiseless slow mode. The search dial range is –1/4x to +1x.

1: Activates the noiseless slow mode. The search dial range is -32x to +32x.

OFF: The noiseless slow mode is not activate.

3. Setting the ON SCREEN button

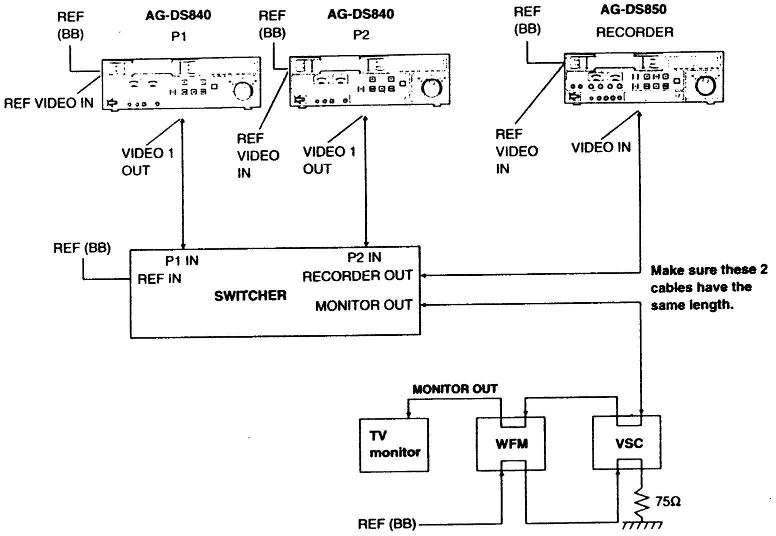
This is used to add a time code or other superimpose signal to the video signal which is output from the VIDEO MONITOR connector.

TBC Adjustments

The TBC can be used to reduce the amount of jitter and distortion called skew (a phenomenon where the top part of the picture is bent horizontally).

For AB roll editing (a method of editing using two source units) using an editor, the TBC must be adjusted after it has been connected to the system so that the material will be edited accurately and error-free. (The TBC must be re-adjusted every time its connecting cable is replaced or its connections are changed.)

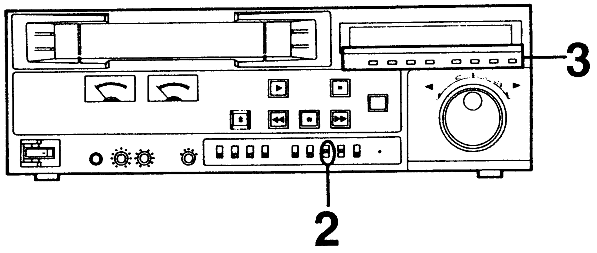
1. Make the connections as shown in the figure below.


REF (BB)
AG-DS840
P1
REF (BB)
AG-DS840
P2
REF (BB)
AG-DS850
RECORDER
REF VIDEO IN
VIDEO 1 OUT
REF VIDEO IN
VIDEO 1 OUT
REF VIDEO IN
VIDEO IN
REF (BB)
P1 IN
REF IN
SWITCHER
P2 IN
RECORDER OUT
MONITOR OUT
Make sure these 2 cables have the same length.
MONITOR OUT
TV monitor
WFM
VSC
75Ω
REF (BB)

[1] Supply the external reference signal from the sync signal generator to the unit.

[2] Provide a composite connection for the video signals.

TBC Adjustments (cont).



2. Set the DIAL MODE switch to "TBC SET."

■ The TBC SET menu (Menu No.1) is output on the monitor.

•Notes
The first menu is not output if "TBC REMOTE" (item No. 2015) dial menu function is set to "REMOTE".
Either set "TBC REMOTE" to "LOCAL" or use an external TBC encoder to perform adjustment.

Menu No.1

```
TBC CONTROL

1. VIDEO LEVEL
2. SET UP
3. CHROMA LEVEL
4. HUE
5. YC DELAY
6. SYSTEM H PHASE
7. SYSTEM SC PHASE FINE
8. SYSTEM SC PHASE COARSE
```

3. Proceed with the discrete adjustment.

Since the TBC of this unit has already been adjusted using standard color bars, the control is normally used set to "0." If readjustment is to be required with the tape being used, proceed as follows.

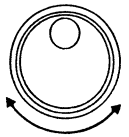
- The various items correspond to the eight switches (TBC mode setting area) below the display tube, in order starting from the left.

[1] Playback a tape with color bars recorded on it.

[2] Adjust the various items.
Press the switch corresponding to the item you wish to adjust (TBC mode setting area) and Menu No.2 is displayed. Make adjustments by turning the JOG dial to move the cursor to the right or left.

Menu No.2

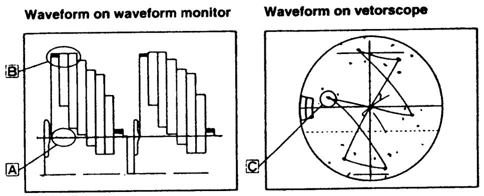
```
TBC CONTROL NO. 1

1.VIDEO LEVEL



 3  2  1  0  1  2  3
–...........■...........+
```



NOTE

- No adjustments can be made on the TBC SET screen menu when the screen has stopped.

[3] Adjust the various items.
Adjust the various items so that the displays on the waveform monitor (WFM) and vectorscope (VSC) appear as described below.



A: • **Set-up level**
Adjust to eliminate any deviation.

B: • **Video level**
Adjust to 100IRE.

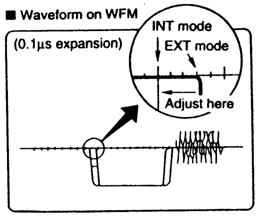
C: • **Chroma level**
Adjust so that the specified level is obtained.
• **Hue**
Adjust so that the vector waveform traces are positioned inside the ⊞ mark on the VSC.

[4] Adjust the YC delay control.
(Normally, adjustment is unnecessary.)
Adjust this to compensate for a shift in YC delay (color shift) of the tape being played back. Each step represents an adjustment of approx. 70ns.

[5] Adjust the SYSTEM PHASE controls.
❶ Playback the standard color bars on VTR P1.
❷ Adjust the SYS PHASE controls on VTR P1.
Adjust them so that the waveform shown below appears on the waveform monitor (WFM).

1) Set the WFM to the INT mode and set the expansion to 0.1µs.
2) Check the horizontal sync position.
3) Now set the WFM to the EXT mode.
4) In the EXT mode adjust the SYS PHASE controls so that the H SYNC signal is aligned with the position above.
First adjust H, then use SC COARSE for the overall adjustment and SC FINE for the fine adjustment.
5) Adjust the SYS PHASE controls on VTR P2 similarly.

■ Waveform on WFM



(Pay close attention to the sync signal rise.)

TBC Adjustments (cont).

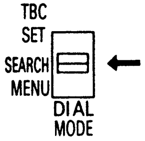
MEMO

Description of adjustments

VIDEO LEVEL:	Adjusts the video level.
SET UP LEVEL:	Adjusts the set-up level.
CHROMA LEVEL:	Adjusts the chroma level.
HUE LEVEL:	Adjusts the hue level.
YC DELAY:	Adjusts the YC level.
SYSTEM H PHASE:	Adjusts the phase of the horizontal sync signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
SYSTEM SC PHASE:	Adjusts the phase of the subcarrier signal from the built-in sync generator to the external reference signal supplied from the external source in order to achieve genlock.
COARSE:	Adjustment in 4 steps of 90°
FINE:	Continuous adjustment, range of just over 90° Together, these controls cover a 360°.

1—12

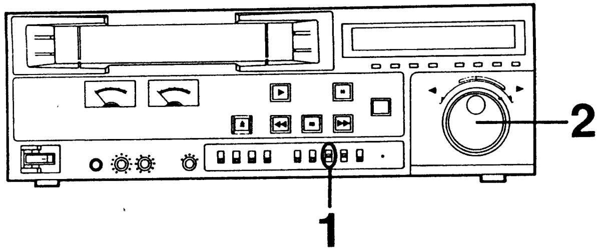
4. After completing TBC adjustments, set the DIAL MODE switch to "SEARCH."



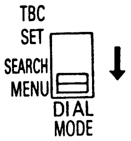
NOTES

- Pressing the SEARCH (SET) button when the Menu No. 1 is displayed returns the settings for all items, except for SYSTEM PHASE, to their initial values.
- Pressing the SEARCH (SET) button when Menu No. 2 is displayed returns only the setting for that item to its initial value.

Using the dial menu functions

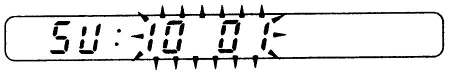


1. Set the DIAL MODE switch to MENU.

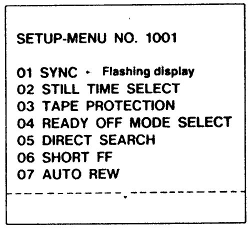


This disables all operations except those relating to the dial menu functions.
(This unit remains in the mode which was established before the dial menu functions were displayed.)

The following appears on the display.



The SETUP-MENU screen appears on the monitor which is connected to the MONITOR VIDEO connector.
The monitor display shows the following.



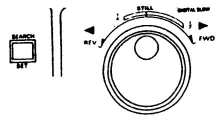
SETUP-MENU NO. 1001

01 SYNC ← Flashing display
02 STILL TIME SELECT
03 TAPE PROTECTION
04 READY OFF MODE SELECT
05 DIRECT SEARCH
06 SHORT FF
07 AUTO REW

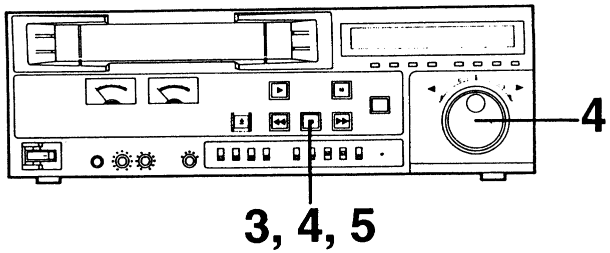
2. Turn the JOG dial and locate the setting item

When it is turned clockwise, the number is successively incremented from 1001 → 1002 → 1103 → etc. Conversely, when it is turned counterclockwise, the number is successively decremented. (The selected item is indicated by flashing.)

- Press the FF (page up) or REW (page down) button to scroll the menu up or down in 1-page units.

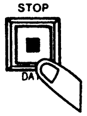


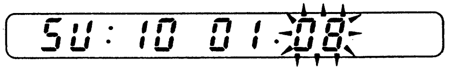
Using the dial menu functions (cont).



3. **Press the STOP button when the desired item is located.**

The set-up change screen is displayed while the STOP button is kept depressed.
The following appears on the display.





The monitor display shows the following.

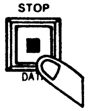
SETUP-MENU NO. 1001-00

01 SYNC

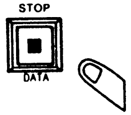
NORMAL ⇦ **Flashing display**

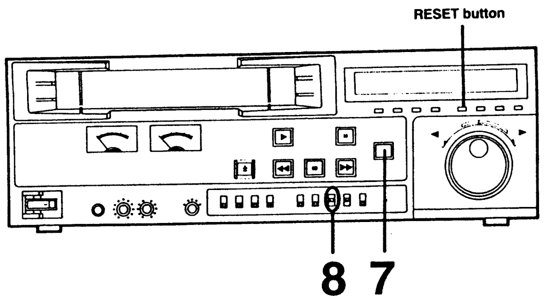
4. **Turn the JOG dial while pressing the STOP button.**

The flashing display changes. Set the item to the desired value.



5. **Release the STOP button.**



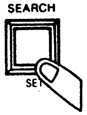


6. **Repeat steps 3 to 5.**

Set all the items whose set-up is to be changed to the desired value.

7. **Upon completion of the settings, press the SEARCH (SET) button.**

The set-up changes are now entered, and the following message appears.

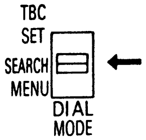


[SETUP-MENU END]
SET TO SEARCH POS

■ The display indication returns to the normal counter indication.

8. **Return the DIAL MODE switch to SEARCH.**

The normal screen is returned.



- If the switch is returned to SEARCH without the SET button having been pressed in step 7, the settings will not be entered.

MEMO

- To return set-up items to their original (factory-set) settings, press the RESET button when the SETUP-MENU is indicated. The following message appears.

SETUP-MENU INIT. SET
OK ? (PUSH PLAY KEY)

The values are restored to their original settings when the PLAY button is pressed.

Set-up menu screen

Operation/function set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
1001	SYNC	**00** 01	**NORMAL** EXT	Selects the sync signal. 00: Synchronization with the input video signal. 01: Synchronization with the external sync signal.
1002	STILL TIME SELECT	00 01 02 **03**	2 SEC 30 SEC 1 MIN **5 MIN**	When the unit is in the STOP or STILL mode, this selects the duration of time after which the unit is automatically placed in the TAPE PROTECTION mode in order to protect the tape. The setting is valid from the next time the STOP or STILL mode is activated.
1003	TAPE PROTECTION	**00** 01	**READY OFF** AUTO ADVANCE	Selects the operation to be performed in the TAPE PROTECTION mode. The setting is valid from the next time the TAPE PROTECTION mode is activated. 00: The READY OFF mode is established. 01: Each time the duration specified by the STILL TIME SELECT setting elapses, the tape is advanced three frames, and the unit enters the READY OFF mode approximately 30 minutes later.
1004	READY OFF MODE SELECT	00 **01** 02	DRUM ROTATE **DRUM STOP** UNLOADING	Selects the operation in the READY OFF mode. 00: Drum rotates due to loose tape. 01: Drum stops due to loose tape. 02: Unloading
1005	DIRECT SEARCH	00 **01**	OFF **ON**	Selects the direct search mode. 00: Normal search operation 01: Unit is automatically placed in the search mode when the search dial is operated even without the search button being pressed.
1006	SHORT FF	00 **01**	OFF **ON**	Selects the short FF function. 00: No short FF operation. 01: Short FF operation is conducted at tape start.
1007	AUTO REW	00 **01**	OFF **ON**	Selects the auto rewind function. 00: Stops at tape end. 01: When the tape reaches the end, it is automatically rewound to the start and the unit stops operating.

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2001	IMAGE MODE SELECT	**00** 01	**NORMAL** EDIT	00: Select this setting for normal operation. The noise canceler and CAC function operate for both the luminance and chrominance signals. 01: Select for editing.
2002	VIDEO MODE	**00** 01	**COLOR** B/W	Selects the color mode of the input video signal. 00: Forcibly establishes the color mode. However, the AUTO mode is established using VIDEO and the switch on the circuit board. The color or black-and- white mode is detected automatically in accordance with the playback signals. 01: Forces black-and-white mode operation.
2004	PB/EE SELECT	00 **01**	PB/EE **EE**	Sets the image that appears on the screen when the unit is in the STOP mode. 00: The playback image is output. 01: The black burst appears on the screen.
2005	WIDE MODE SELECT	**00** 01 02	**AUTO** WIDE NORMAL	Sets the unit's operation for WIDE IDs. 00: During playback, wide data is added to the Y and C output signals if there is a WIDE ID on the tape. 01: Appends wide data to the Y/C output signal and plays it back. 02: No wide data is appended.
2007	HSW BLANKING SELECT	**00** 01	**OFF** ON	Specifies whether masking processing is to be performed in the switching area during playback.
2008	V BLANKING SELECT	10 11 12 13 14 15 16 17 18 19	OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON OFF /ON	Specifies for each individual line whether to perform masking processing in the input signal vertical blanking interval during playback. 10 : 10_LINE 17 : 17_LINE 11 : 11_LINE 18 : 18_LINE 12 : 12_LINE 19 : 19_LINE 13 : 13_LINE 14 : 14_LINE 15 : 15_LINE 16 : 16_LINE
2009	SLOW DANCING COMP	**00** 01	**OFF** ON	Selects whether or not to perform compensation for dancing during digital slow playback.

[The shading denotes the initial setting.]

Video set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
2010	DOC SELECT	**00** 01	**3LINE-3D** 3D ONLY	Selects the DOC mode. 00: 2-dimensional DOC up to 3H; 3-dimensional DOC for 4H and above. 01: 3-dimensional DOC (field DOC)
2011	FREEZE AT READY OFF	**00** 01	**OFF** ON	Selects whether or not to freeze the screen when READY OFF takes place. 00: Do not freeze. 01: Freeze.
2012	FREEZE AT STOP	**00** 01 02 03	**OFF** ODD EVEN FRAME	Selects whether or not to freeze the screen when switching from PLAY to STOP. 00: Do not freeze. 01: Freeze the odd field. 02: Freeze the even field. 03: Perform frame freeze.
2013	Y-DNR LEVEL SELECT	00 **01** 02	OFF **LEVEL 1** LEVEL 2	Selects the DNR level for the luminane signal. 00: Performs no DNR processing on the luminance signal. 01: Performs DNR level 1 processing on the luminance signal. 02: Performs DNR level 2 processing on the luminance signal.
2014	C-DNR LEVEL SELECT	00 **01** 02	OFF **LEVEL 1** LEVEL 2	Selects the DNR level for the chrominane signal. 00: Performs no DNR processing on the chrominane signal. 01: Performs DNR level 1 processing on the chrominane signal. 02: Performs DNR level 2 processing on the chrominane signal.
2015	TBC REMOTE	**00** 01	**LOCAL** REMOTE	Selects the TBC adjustment mode. 00: Adjustment is performed from the TBC SET. 01: Adjustment is performed by remote control from outside.
2017	COMPONENT OUT LEVEL	**00** 01	**LOW** HIGH	Sets the output level of the COMPONENT OUT connector. 00: Outputs an MII component signal. 01: Outputs a Betacam component signal.
2018	SLOW SPEED TRANSITION	**00** 01	**NOISELESS** HIGH RESPONSE	00: No noise appears when the tape speed is varied during a slow-motion operation. 01: The response when the tape speed is varied during a slow-motion is improved.

[The shading denotes the initial setting.]

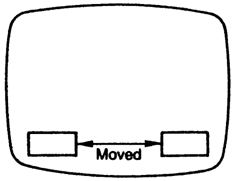
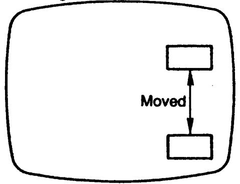
Audio set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
3001	DOLBY NR	00 01	OFF ON	Sets the Dolby NR system. 00: Dolby NR system OFF. 01: Dolby NR system ON.
3006	AUDIO CH2	00 01	AUDIO LTC	Switches normal audio on or off in CH2. 00: CH2 is used for audio recording. 01: CH2 is used as the LTC track.

[The shading denotes the initial setting.]

Set-up menu screen (cont).

Superimpose set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
4001	CHARACTER	00 01	Selection is made while observing superimpose display.	Selects background mode for VIDEO MONITOR superimpose display. 00: Black display = LTCR 00:00:00:00 01: Edge display = LTCR 00:00:00:00
4002	CHARACTER H-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4003	CHARACTER V-POSITION	00 01 02 03 04 05 06 07	Selection is made while observing superimpose display.	Selects horizontal position for VIDEO MONITOR superimpose display; moves characters to right as No. is increased. 
4004	STATUS SUPER	00 01	OFF ON	Selects whether VTR operation mode is to be indicated as a superimposed display. 00: VTR operation not displayed. 01: VTR operation displayed.

[The shading denotes the initial setting.]

Remote set-up items

Item		Set-up value		Description of function
No.	**Superimpose display**	**No.**	**Superimpose display**	
5001	EJECT/STOP FNCTN REM.	00 01	POSSIBLE NOT POSSIBLE	Enables or disables operation of panel EJECT/STOP button in remote mode. 00: Enables operation. 01: Disables operation.
5002	9P DEVICE TYPE SELECT ※This is displayed only when a 9P remote connector is mounted.	00 01	OTHER TYPES S-VHS ID	Selects ID code returned to 9P device type request command. 00: When connecting a controller not made by Panasonic. 01: When connecting a controller made by Panasonic.
5003	9P FF/REW MODE ※This is displayed only when a 9P remote connector is mounted.	00 01	LOADING UNLOADING	Selects the unit's operation in response to FF and REW commands. 00: FF or REW are excuted with the tape loaded. 01: FF or REW are excuted after the tape is unloaded.
5004	34P SHTL MAX SPEED ※This is displayed only when a 34P remote connector (AG-IA834) is mounted.	00 01	*10 *20	Sets maximum shuttle speed when controlled by 34P controller. 00: 10x normal tape speed 01: 20x normal tape speed
5005	34P CONTROLLER TYPE ※This is displayed only when a 34P remote connector (AG-IA834) is mounted.	00 01	TYPE-1 A750 A770 A800 TYPE-2 A650 A500 A505	Selects type of 34P controller to be connected.

[The shading denotes the initial setting.]

Set-up menu screen (cont).

Editing set-up values

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
6001	DROP/NON-DROP FRAME	00 01	NON-DROP FRAME DROP FRAME	Sets whether to compensate time deviations for time code or control signal. 00: Non-drop frame processing; time deviations are not compensated; 30 frames are processed as 1 second. 01: Drop frame processing; deviations between color sync and real time are compensated. Two frames (.00 .01) are skipped from start of positive numbers except 0, 10, 20, 30, 40 and 50.
6002	AUTO PREROLL ENTRY	00 01	NOT ENTERED ENTERED	Selects whether to enter IN point by preroll command when IN point has not been entered. 00: Not entered 01: Entered
6003	PREROL TIME	00 01 : 05 : 10 : 15	0 SEC 1 SEC : 5 SEC : 10 SEC : 15 SEC	Selects preroll time for 9P control from 0 to 15 sec.
6004	PLAY DELAY	00 01 : 05 : 10 : 15	0 FRAME 1 FRAME : 5 FRAME : 10 FRAME : 15 FRAME	Selects play delay time during play start from 0 to 15 frames.
6005	FRAME SERVO	00 01	OFF ON	Sets framing mode 00: Set to this position when signals not in conformity with EIA standard signals (RS-170) are supplied. Framing is not conducted. 01: Framing is conducted if set to this position when signals in conformity with EIA standard signals (RS-170) are supplied.

[The shading denotes the initial setting.]

Time code set-up items

Item		Set-up value		Description of function
No.	Superimpose display	No.	Superimpose display	
7008	TC OUT SIGNAL REGEN	00 01	OFF TAPE REGEN	Sets the waveform to be output from the TIME CODE OUT connector when in the INTERNAL REGEN mode. 00: Outputs the playback signal without modification. 01: Outputs the playback signal with REGEN processing during SERVO LOCK only.
7013	9P VITC TO DUMMY LTC	00 01	OFF ON	Selects the response from 9P to CURRENT TIME SENSE when CH2 is set to "AUDIO." 00: REQUEST TIME DATA MISSING is returned. 01: VITC data is returned as LTC.
7014	9P INTERPOLATED VITC	00 01	HOLD VITC INTERPOLATED LTC	Selects the response method used to return the VITC CTL interpolation value from 9P in response to CURRENT TIME SENSE. 00: HOLD_VITC (74H 16H) is returned. 01: INTERPOLATED_LTC (74H 14H) is returned.

[The shading denotes the initial setting.]

2008 setting method

1. Press the STOP button at item No. 2008.
2. Turn the JOG dial and move the display to be changed (flashing display).
3. The ON and OFF will switch for item No. 2008 when the JOG dial is turned while the STOP button is kept pressed.
4. Press the SEARCH (SET) button upon completion of the settings.

■ Once the setting mode is entered for item No. 2008, operation cannot be returned to the setting mode of any other item. When the SEARCH (SET) button is pressed upon completion of the setting, the change made to the previous setting for the item will be entered. On the other hand, when the DIAL MODE switch is set to SEARCH without pressing the SEARCH (SET) button first, all the settings including the one which was made previously will be canceled.

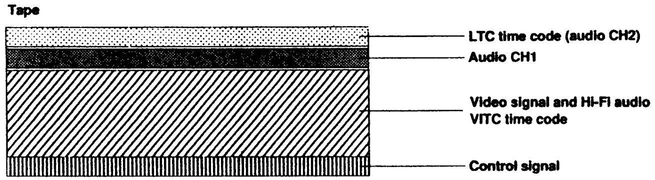
Time Code/user's bit

Time code

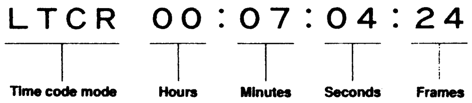
The "time code," which is based on the time code signal generated by the time code signal generator, recorded on tape, and read out by the time code signal reader, is used to display absolute positions on the tape in units of "hours:minutes:seconds:frames." Knowing an absolute position makes it possible to conduct editing accurately and search operations speedily.

There are two types of time codes: LTC (longitudinal time code) and VITC (vertical interval time code). The LTC is recorded on the tape's normal audio CH2 track. It is used to record the position information on the tape and user's bit information.

The VITC is recorded in the vertical blanking period of the video signals so that even without using the normal audio CH2 track, it is used to record the information regarding position on the tape and user's bit information.



The time code itself is indicated on the display and superimpose on the TV monitor.



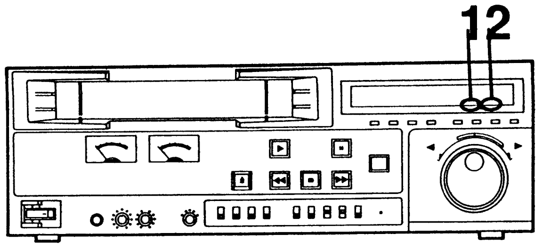
User's bit

Among the time code signals, the "user's bit" is an information released to the user. It is used to record the operator number or real time.

LUBR AB CD EF 88

A total of 16 characters—numbers 0 to 9, A, B, C, D, E and F—can be used for the user's bit.
(The characters "B" and "D" are displayed in small letters in the counter display.)

Setting the time code switches



1. Setting the CTL/TC/UB button

This selects the time code mode which is indicated on the display.

CTL: The CTL (control) signal value is indicated.
TC: The time code value is indicated.
UB: The user's bit value is indicated.

CTL/TC/UB
☐

2. Setting the LTC/AUTO/VITC button

This selects the read out mode of the time code.

LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

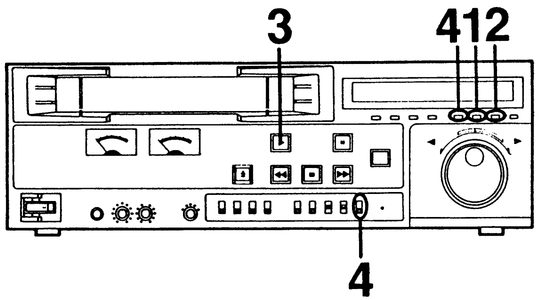
- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

LTC/AUTO/VITC
☐

3. Settings with the dial menu functions

The time code set-up can be performed using dial menu function item No. 7008. (See page 37.)

Playing back the time code/user's bit



1. **Set to TC or UB mode with the CTL/TC/UB button.**

TC: For time code playback.
UB: For user's bit playback.

CTL/TC/UB

2. **Set the LTC/AUTO/VITC button.**

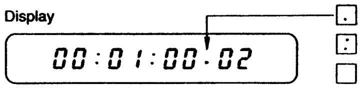
LTC: The LTC time code signal recorded on linear track CH2 is read out.
AUTO: Priority is given to reading out the VITC signal when in the slow mode, and to reading out the LTC signal at all other times.
VITC: Only the VITC signal is read out.

LTC/AUTO/VITC

- Interpolation is provided by the CTL signal when it is no longer possible to read out the time code signal in any of the modes.

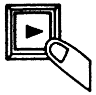
3. **Press the PLAY button.**

Display



(Drop frame)
(Non-drop frame)
Interpolation by CTL signal

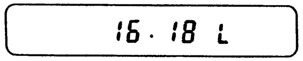
PLAY



4. **To check the VITC insertion lines during playing back.**

Set the CONTROL Switch to "REMOTE" and press the RESET button.

Display



(When VITC is inserted in line 16 and 18.)

REMOTE
LOCAL

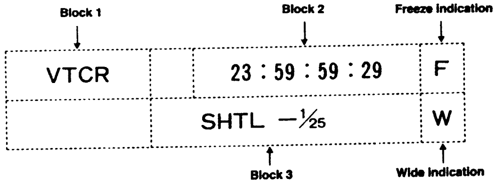
CONTROL

RESET

1—19

Superimpose screen

When the ON SCREEN switch in the front pocket is set to ON, the superimpose signal listed below are added to the signals output from the VIDEO MONITOR connector.
The superimpose display does not appear in the dial menu mode.



Block 1

The time code modes are addreviated on the display usign the following characters.

CTL: Control signal
TCG: Time code generator value
LTCR: Playback value of LTC time code
VTCR: Playback value of VITC time code
ETCG: External time code generator value
LUBG: Generator value of LTC user's bit
VUBG: Generator value of VITC user's bit
LUBR: Playback value of LTC user's bit
VUBR: Playback value of VITC user's bit
EUBG: Generator value of external user's bit

Block 2

The time code value is indicated in hours, minutes, seconds and frames, each with 2 digits.
(In the UB mode, no colon is displayed.)

12:34:43:21

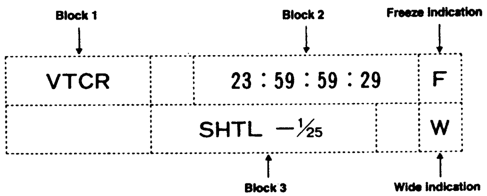
[:] = Non-drop frame mode
[.] = Drop frame mode
[ ] = Time code reading disabled

Block 3

The VTR operating modes are indicated as below.

EJECT (eject)	READY-OFF (ready mode release)
PLAY (playback)	
STOP (stop)	
FF (fast forward)	
REW (rewind)	
STILL (pause)	

Superimpose screen (cont.)


Block 1
Block 2
Freeze indication
VTCR
23 : 59 : 59 : 29
F
SHTL –1/25
W
Block 3
Wide indication

Block 3 (cont.)

The search is also displayed.

JOG XXXXX (jog)
SHTL XXXXX (shuttle)

"xxxxx" denotes the search speed.

-1/25 Tape speed (in this case, search proceeds in the reverse direction at 1/25x normal playback speed)
↑
*:Forward direction/-:reverse direction

NOTE

- The block 3 displays and wide indication appears only when the "STATUS SUPER" dial menu function (item No. 4004) is set to ON.

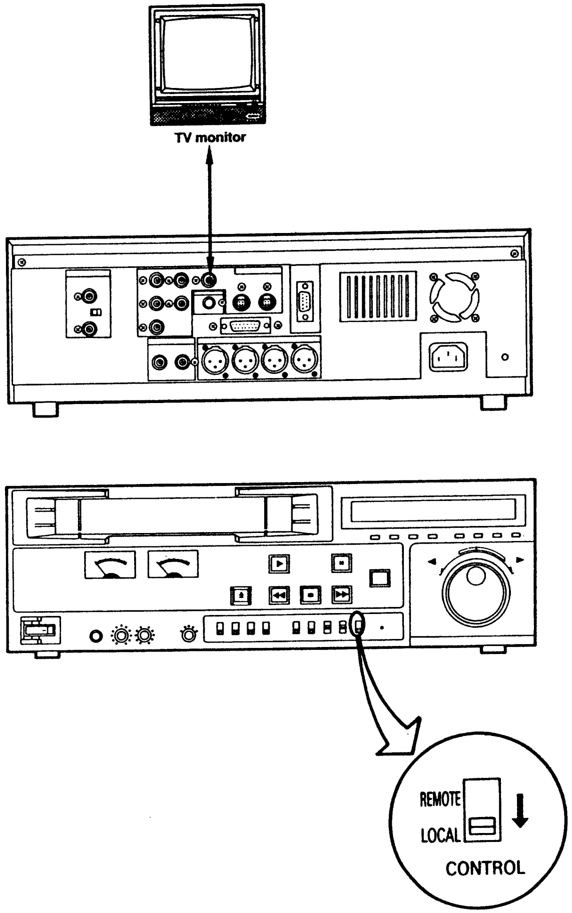
REFERENCE

- The superimpose display characters can be changed using the dial menu function (item No. 4001). (See page 34.)
- The superimpose display position can be moved using the dial menu function (item No. 4002, 4003). (See page 34.)

Connections for basic system

These connections are for play back using one S-VHS VTR.

- Set the CONTROL switch to LOCAL.
- Set the "SYNC" (item No. 1001) dial menu function to "NORM".
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO".
  (Set to LTC for editing with the LTC time code signal.)


TV monitor
REMOTE
LOCAL
CONTROL

Dubbing connections

These connections are for editing using this VTR as a source unit.
The ways to prevent deterioration in the picture quality caused by the dubbing connections are ranked as follows in terms of their effectiveness.

1. Use of S-VIDEO cable
2. Use of BNC cable

- Set the CONTROL switch to LOCAL.
- Set the "AUDIO CH2" (item No. 3006) dial menu function to "AUDIO".
- Set the "IMAGE MODE SELECT" (item No. 2001) dial menu function to "EDIT".

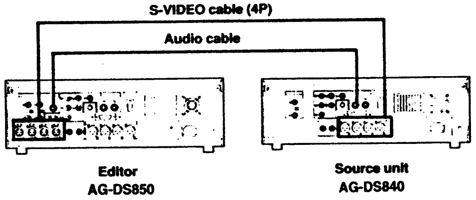
1. Connections using S-VIDEO cable (4P)

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE" (item No. 2001) to "EDIT"

Main setting (editor)

- INPUT switch to "S-VIDEO"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"


S-VIDEO cable (4P)
Audio cable
Editor
AG-DS850
Source unit
AG-DS840

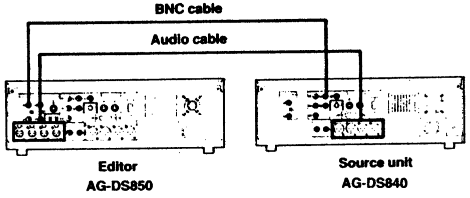
2. Connections using BNC cable.

Main setting (source unit)

- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"

Main setting (editor)

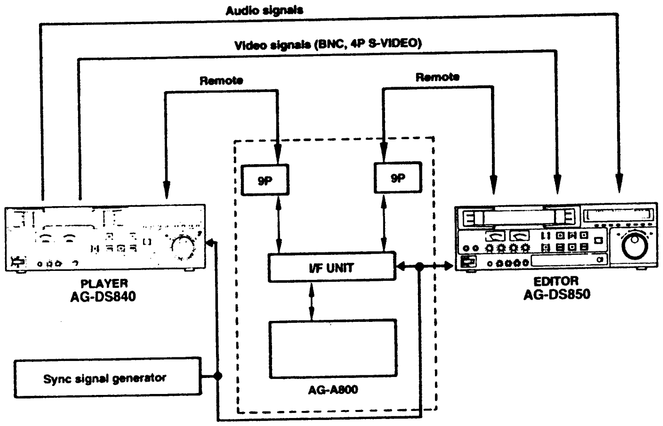
- INPUT switch to "LINE"
- Dial menu function "SYNC" (item No. 1001) to "NORMAL"
- Dial menu function "IMAGE MODE SELECT" (item No. 2001) to "EDIT"


BNC cable
Audio cable
Editor
AG-DS850
Source unit
AG-DS840

System using 9P editing controller

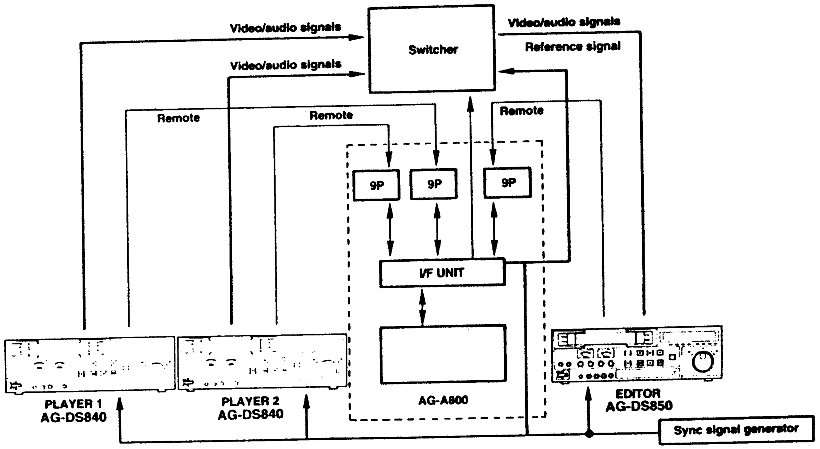
Editing at a high degree of accuracy and with almost no editing errors can be done by installing the AG-F700 (optional accessory) in this unit and using the 9P editing controller (optional accessory) to conduct time code editing.
This unit contains its own time base corrector (TBC) and so obviates the need for time-consuming TBC wiring during system editing. This VTR is used as a source unit.

System composed of one editor and one player


Audio signals
Video signals (BNC, 4P S-VIDEO)
Remote
Remote
9P
9P
I/F UNIT
AG-A800
PLAYER
AG-DS840
EDITOR
AG-DS850
Sync signal generator

System composed of one editor and two players

(enabling AB roll editing)


Video/audio signals
Video/audio signals
Switcher
Video/audio signals
Reference signal
Remote
Remote
Remote
9P
9P
9P
I/F UNIT
AG-A800
PLAYER 1
AG-DS840
PLAYER 2
AG-DS840
EDITOR
AG-DS850
Sync signal generator

System using 9P editing controller (cont).

1. Connect the editing controller

- Connect it to be REMOTE (9P) connector.
- Connect the audio signals.
- Connect the video signals.
- Connect the REF signals.

2. Set 9P DEVICE TYPE SELECT (item No. 5002).

Use the dial menu function to set this.

OTHER TYPES (set-up No. 00):	When using a controller not made by Panasonic
S-VHS ID (set-up No. 01):	When using a controller made by Panasonic

3. Set the CONTROL switch to REMOTE.

4. Operate the unit from the editing controller.

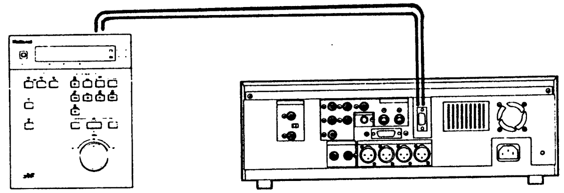
For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

NOTES

- Set the editing timing for the 9P editing controller to 8 frames.
- When using an editing controller provided with a color framing function, do not set the color framing mode.
- Although, for insert editing using the 9P editing system, it is possible to set the editing channels independently for the time code singls and audio signals, this particular unit uses linear track CH2 for both the time code (LTC) and normal audio CH2. For this reason, the "AUDIO CH2" dial menu function (item No. 3006) must be set properly in accordance with the signals which are to be edited.
- When the 9P editing system is used, the "9P FF/REW MODE" dial menu function (item No. 5003) can be used to select full loading FF/REW and unloading FF/REW.
- Set the dial menu function (item No. 1003) "TAPE PROTECTION" to "AUTO ADVANCE" only when editing lengthy scenes during AB roll editing.
- Set the DIGITAL SLOW switch to "OFF" or "1" to perform editing using synchronization.

System using remote search controller

In the 34-pin remote connector (option) is installed and the NV-A505 remote search controller (option) is connected, the unit can be operated from a distance.



NV-A505 remote search controller

1. Connect the NV-A505 remote search controller to the REMOTE (34-pin) connector.

2. Set the 34P SHTL MAX SPEED (item No. 5004).

Use the dial menu function to set the maximum shuttle search speed which can be operated by the editing controller being used.

10 (set-up No. 00):	10× normal tape speed
20 (set-up No. 01):	20× normal tape speed

3. Set 34P CONTROLLER TYPE (item No. 5005).

Use the dial menu function to set the type of editing controller being used.

TYPE-1 (set-up No. 00):	AG-A800, AG-A770, AG-A750
TYPE-2 (set-up No. 01):	AG-A650, NV-A500, NV-A505

4. Set the CONTROL switch to REMOTE.

This disables the operation of all the unit's control buttons except STOP and EJECT.

5. Operate the NV-A505 remote search controller.

The NV-A505 can be used to control the following:

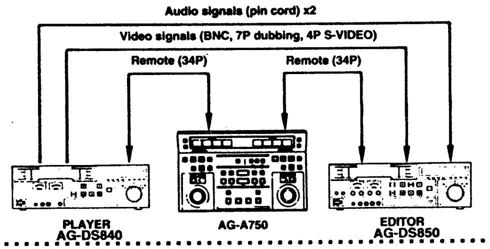
- Playback
- Fast forwarding, rewinding, stop and pause
- 9-mode variable speed (0 to 10× or 20×) search playback (but not jog)

REFERENCE

- The remote search controller can be used as an interface when configuring a system in which two or three source units are connected simultaneously.
- The AG-A600 remote controller can also be used.

System using 34P editing controller

It is possible to use the editing controller to operate the unit and edit material with a high degree of accuracy by installing the 34-pin remote connector (option) and connecting the optional 34P editing controller to the unit.


Audio signals (pin cord) x2
Video signals (BNC, 7P dubbing, 4P S-VIDEO)
Remote (34P)
Remote (34P)
PLAYER
AG-DS840
AG-A750
EDITOR
AG-DS850

1. Connect the editing controller

- Connect it to the REMOTE (34P) connector.
- Connect the audio signals.
- Connect the video signals.

2. Set the 34P SHTL MAX SPEED (item No. 5004).

Use the dial menu function to set the maximum shuttle search speed which can be set by the editing controller being used.

10 (set-up No. 00): 10× normal tape speed
20 (set-up No. 01): 20× normal tape speed

3. Set 34P CONTROLLER TYPE (item No. 5005).

Use the dial menu function to set the type of editing controller to be used.

TYPE-1 (set-up No. 00): AG-A800, AG-A770, AG-A750
TYPE-2 (set-up No. 01): AG-A650, NV-A500, NV-A505

4. Set the CONTROL switch to REMOTE.

5. Operate the unit from the editing controller.

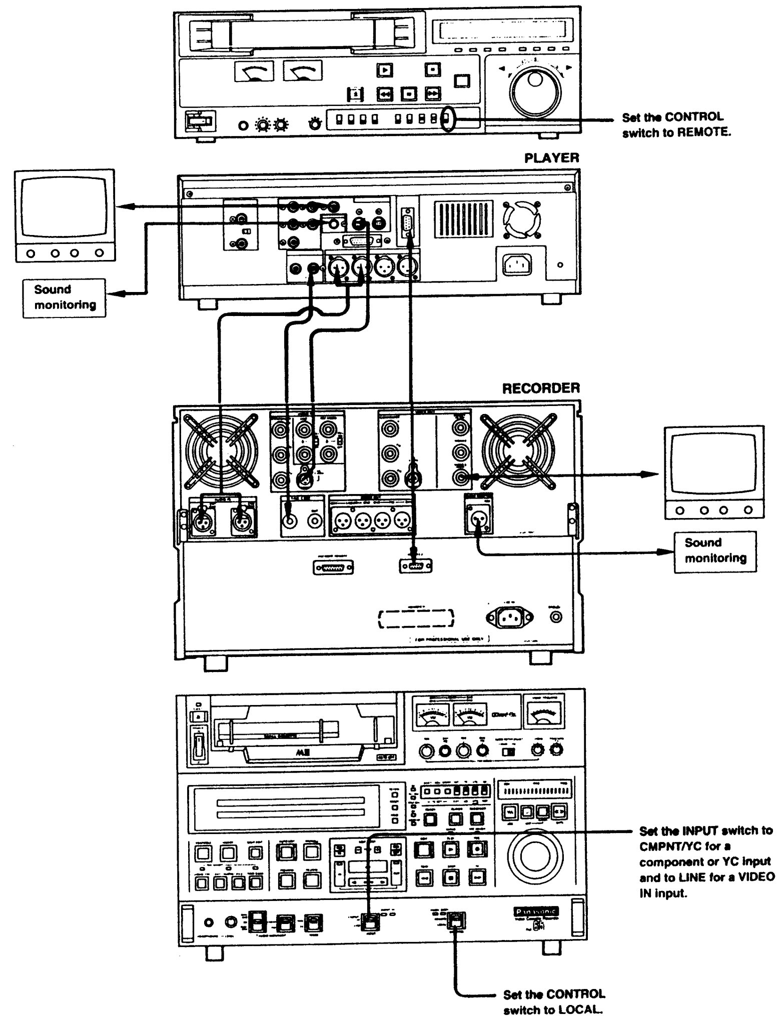
For details on how to operate the editing controller, reference should be made to the Instruction Manual accompanying the controller.

NOTES

- Use the DIGITAL SLOW switch on the editor at the "OFF" position. The editing accuracy will be impaired if the switch is used at "ON."
- When using the AG-7750 or AG-7650 as the source unit, set the "PLAY DELAY" (item No. 6004) dial menu function on the editor to "1 FRAME."
- When the NV-A500 editing controller is used, preview may not be terminated even when the EDIT STOP button is pressed. In cases like this, press the PAUSE button.
- When the AG-A800 editing controller is used in a 34P system, the tape may advance with the READY ON/OFF operation but this has no effect on the editing accuracy.
- When the AG-A800 editing contrtoller is used in a 34P system, use it in the STOP EE mode. In the STOP PB mode, preview operations during assembly editing cannot be conducted.
- Set the editor's MEMORY switch to "EDIT."

System using MII unit

This unit comes with an RS-422A interface facility which enables it to be connected with a professional/industrial MII VTR.


Set the CONTROL switch to REMOTE.
PLAYER
Sound monitoring
RECORDER
Sound monitoring
Set the INPUT switch to CMPNT/YC for a component or YC input and to LINE for a VIDEO IN input.
Set the CONTROL switch to LOCAL.

- The above system employs the model AU-65 MII VTR designed for commercial applications.

Error displays

When an error appears on the counter display, it means that a malfunction has occurred in the unit. When this happens, terminate operation without delay and remedy the trouble by following the instructions in the Instruction Manual.

Error display	Problem	Remedy
d	Condensation	Leave power on and wait until error display is cleared (see MEMO below).
E-0 *	Malfunction in fan motor section	Turn off the power and switch it back on again, and check that the unit operates normally.
E-2	Malfunction in elevator section	This occurs when the cassette has not been inserted properly. Turn off the power and switch it back on again, and check that the unit operates normally.
E-3	Malfunction in loading section	
E-4	Malfunction in cylinder section	This occurs when a heavy load is applied because condensation has formed on the tape or for some other reason. Turn off the power and switch it back on again, and check that the unit operates normally.
E-5	Malfunction in reel section	
E-6	Malfunction in tension section	
E-7	Malfunction in solenoid section	Turn off the power and switch it back on again, and check that the unit operates normally.

- Contact your authorized dealer if the unit does not function normally when the above remedial action has been taken.

***Fan motor error display**

WARNING
(FAN MOTOR LOCK)

When trouble occurs in the fan motor area, the warning display shown on the left is output to the monitor screen alternately with the regular counter display. Since the unit's power will be automatically turned off about 20 minutes after this warning is output, complete the work speedily and turn off the power. The power can be switched back on in about 20 minutes' time.

MEMO

Condensation

This phenomenon is caused by the same principle under which droplets of moisture (condensation) form on a window in a heated room when it is cold outside. It can occur when the unit or a tape is moved to a location with a significantly different temperature or humidity. It also occurs:

- When the unit or tape is moved to a location full of steam which cannot escape or a location with a high humidity, or immediately after movement to a heated room
- When the unit or tape is moved quickly from a cold or cooled location to a high-temperature and/or high-humidity location

SHOULD A MALFUNCTION OCCUR, TURN OFF THE POWER IMMEDIATELY, TAKE HOLD OF THE POWER PLUG AND DISCONNECT IT FROM THE POWER SOCKET AND CONTACT YOUR DEALER. CONTINUED USE MAY CAUSE FURTHER DETERIORATION OR LEAD TO AN ACCIDENT.

Troubleshooting

Should trouble occur, check out the items listed below and make the recommended adjustments. If the trouble should persist, consult with your dealer.

Symptom	Inspection/adjustment	Ref.
No power.	■ Is power cord disconnected?	—
No operation even when function button is pressed.	■ Error on counter display? ■ CONTROL switch at REMOTE? ■ Search dial mode switch at MENU?	50 22 27
No tape fast forwarding or rewinding.	■ Has tape come to end after fast forwarding or rewinding? ■ Memory switch at AUTO STOP?	— 18
No recording or editing.	■ Cassette tab broken out? ■ Correct setting for input switch?	12 22
Playback accompanied by noise.	■ "IMAGE MODE SELECT" dial menu function set to "EDIT"? ■ Dirty video head?	31 55
Striping appears on part of picture during normal playback.	■ Has tracking been adjusted properly?	14
No color on playback pictures.	■ Are input signals color signals? ■ Has color mode been set to B/W mode by dial menu function?	— 31
Disturbances affect playback picture at regular intervals.	■ Is vertical sync of TV monitor adjusted properly? ■ Strong fluctuations in supply voltage during recording? ■ Is cassette tape acceptable?	— — —

Servo reference

This unit automatically selects the input video signal selected by the INPUT switch, the REF VIDEO signal supplied from the REF IN connector or the internal sync signal (INT) as the servo reference signal.]
The relationship between the "SYNC" dial menu function (item No. 1001) and servo reference signal during normal playback and recording is as described below.

■ During playback or search

SYNC SELECT switch position	Input signal mode	Reference signal
	REF IN signal	
NORM	○	REF IN signal
	×	INT sync signal
EXT	○	REF IN signal
	×	INT sync signal

"O": signal is supplied; "X": signal is not supplied.

Connector signals

REMOTE 9P connector

Pin no.	Description of signal
1	GND
2	TRANSMIT A
3	RECEIVE B
4	RECEIVE COMMON
5	SPARE
6	TRANSMIT COMMON
7	TRANSMIT B
8	RECEIVE A
9	GND

S-VIDEO OUT connectors (4P)

Pin no.	Description of signal
1	Y GND
2	C GND
3	Y signal
4	C signal

TBC REMOTE connector (15P)

Pin no.	Description of signal
1	—
2	SET UP
3	C LEVEL
4	GND
5	+ 12 V
6	SYSTEM HΦ
7	SYS. SC COARSE (2)
8	– 12 V
9	HUE
10	VIDEO LEVEL
11	RET GND
12	—
13	—
14	SYS. SC FINE
15	SYS. SC COARSE (1)

AUDIO OUT connectors (XLR)

Pin no.	Description of signal
1	GND
2	HOT
3	COLD

REMOTE 34P connector (option)

Pin no.	Description of signal
1	REC SWITCH*1
2	PLAY SWITCH*1
3	FF SWITCH*1
4	REW SWITCH*1
5	STOP SWITCH*1
6	—
7	PAUSE SWITCH*1
8	CASSETTE IN SWITCH*2
9	CUT IN SWITCH*1
10	—
11	SERVO LOCK*2
12	GND
13	SWITCH STEP*1
14	REVERSE COUNT*2
15	CUT OUT SWITCH*1
16	EDIT SWITCH*1
17	REVERSE IN*2
18	CONTROL PULSE OUT
19	REMOTE 19*1
20	START MARK
21	EJECT SWITCH*1
22	INSERT CH1*1
23	REC HOLD*2
24	PLAY HOLD*2
25	FF HOLD*2
26	REW HOLD*2
27	INSERT CH2*1
28	—
29	PAUSE HOLD*2
30	REMOTE 30*1
31	CUT IN HOLD*2
32	INSERT VIDEO*1
33	REMOTE 33*1
34	+ 12 V

*1 Active low (INPUT)
*2 Open collector, active low (OUTPUT)

MEMO

SECTION 2

DISASSEMBLY PROCEDURE

CONTENTS

2-1. DISASSEMBLY FLOW CHART······································2-2

The description of this section, please refer to the Service Manual Volume 1 (Order No. VSD9404M244).

2-1. DISASSEMBLY FLOWCHART

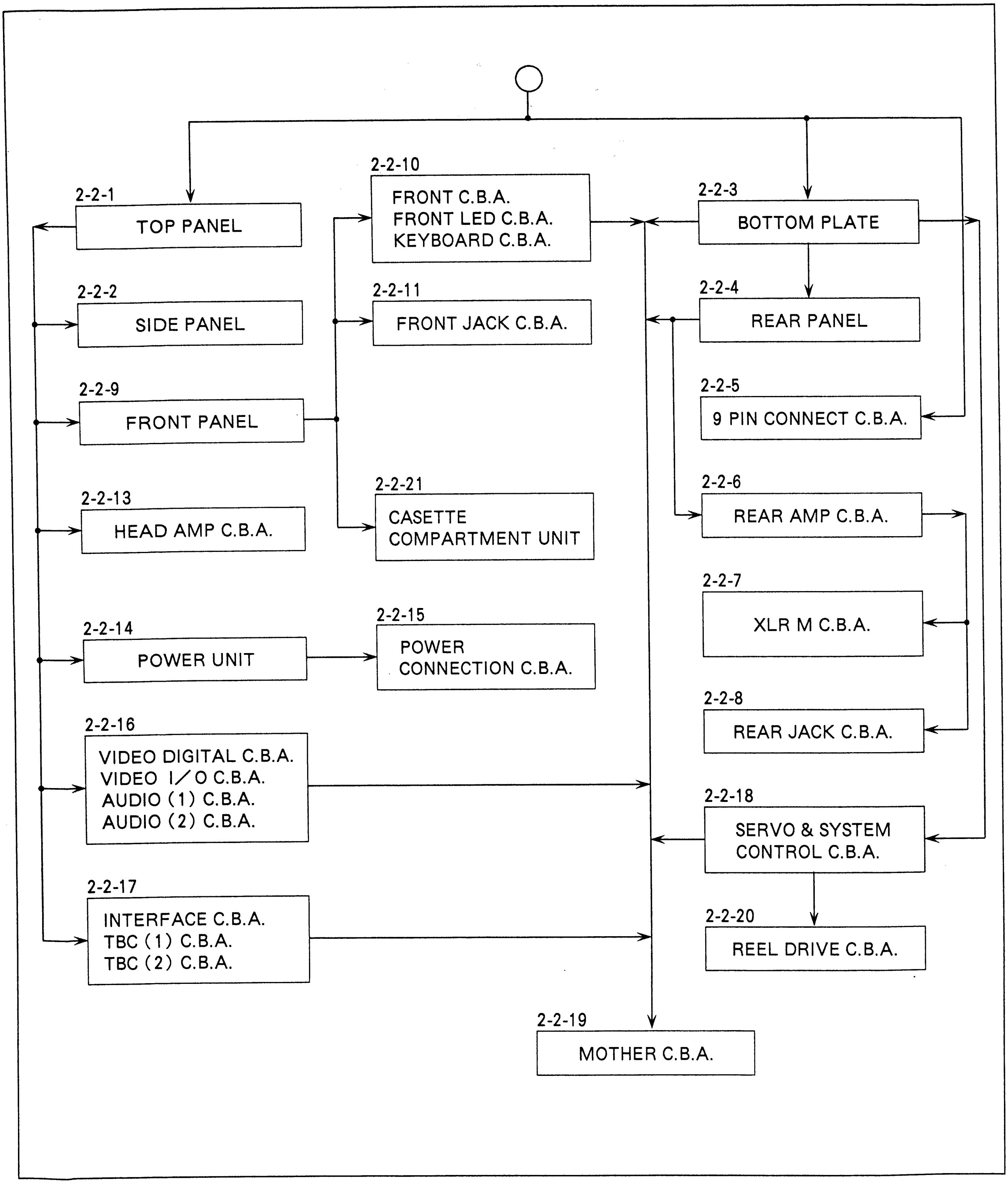

2-2-1
TOP PANEL
2-2-2
SIDE PANEL
2-2-9
FRONT PANEL
2-2-13
HEAD AMP C.B.A.
2-2-14
POWER UNIT
2-2-16
VIDEO DIGITAL C.B.A.
VIDEO I/O C.B.A.
AUDIO (1) C.B.A.
AUDIO (2) C.B.A.
2-2-17
INTERFACE C.B.A.
TBC (1) C.B.A.
TBC (2) C.B.A.
2-2-10
FRONT C.B.A.
FRONT LED C.B.A.
KEYBOARD C.B.A.
2-2-11
FRONT JACK C.B.A.
2-2-21
CASETTE
COMPARTMENT UNIT
2-2-15
POWER
CONNECTION C.B.A.
2-2-19
MOTHER C.B.A.
2-2-3
BOTTOM PLATE
2-2-4
REAR PANEL
2-2-5
9 PIN CONNECT C.B.A.
2-2-6
REAR AMP C.B.A.
2-2-7
XLR M C.B.A.
2-2-8
REAR JACK C.B.A.
2-2-18
SERVO & SYSTEM
CONTROL C.B.A.
2-2-20
REEL DRIVE C.B.A.

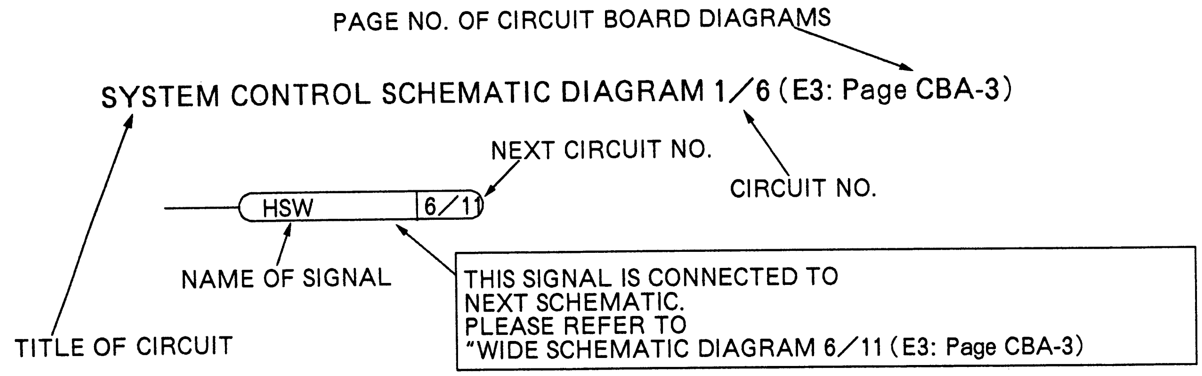
図 D1

SECTION 3

SCHEMATIC DIAGRAMS

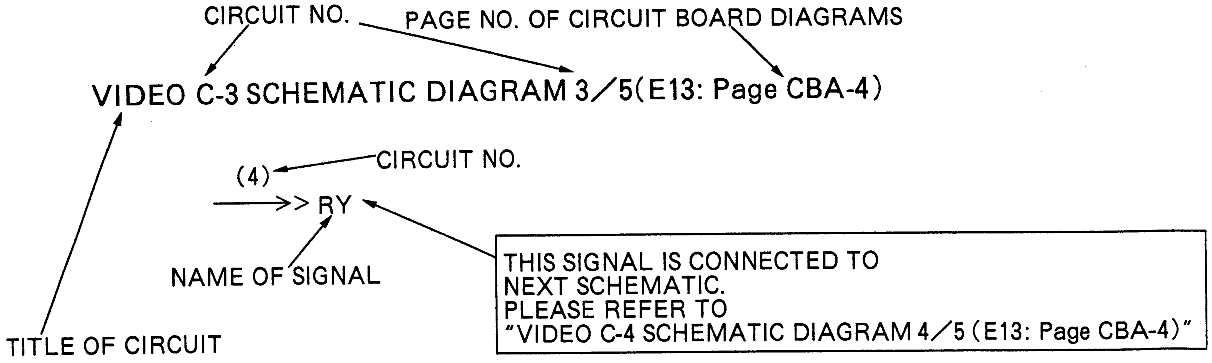
NOTE

(EX1)


PAGE NO. OF CIRCUIT BOARD DIAGRAMS
SYSTEM CONTROL SCHEMATIC DIAGRAM 1/6 (E3: Page CBA-3)
NEXT CIRCUIT NO.
CIRCUIT NO.
HSW
6/11
NAME OF SIGNAL
TITLE OF CIRCUIT

THIS SIGNAL IS CONNECTED TO
NEXT SCHEMATIC.
PLEASE REFER TO
"WIDE SCHEMATIC DIAGRAM 6/11 (E3: Page CBA-3)

(EX2)


CIRCUIT NO.
PAGE NO. OF CIRCUIT BOARD DIAGRAMS
VIDEO C-3 SCHEMATIC DIAGRAM 3/5(E13: Page CBA-4)
(4)
CIRCUIT NO.
>> RY
NAME OF SIGNAL
TITLE OF CIRCUIT

THIS SIGNAL IS CONNECTED TO
NEXT SCHEMATIC.
PLEASE REFER TO
"VIDEO C-4 SCHEMATIC DIAGRAM 4/5 (E13: Page CBA-4)"

* mark ⇒ Parts value, see table in the schematic diagram.

(EX:)

	NTSC
R2018	10K
R2019	*PAT

10KΩ

No part

CONTENTS

SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11 (E3) ········ SCM-5
SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11 (E3) ········ SCM-6
REEL SERVO SCHEMATIC DIAGRAM 3/11 (E3) ········ SCM-7
CYL SERVO SCHEMATIC DIAGRAM 4/11 (E3) ········ SCM-8
CTL AMP SCHEMATIC DIAGRAM 5/11 (E3) ········ SCM-9
WIDE SCHEMATIC DIAGRAM 6/11 (E3) ········ SCM-10
CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7/11 (E3) ········ SCM-11
CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8/11 (E3) ········ SCM-12
MOTER DRIVE-1 SCHEMATIC DIAGRAM 9/11 (E3) ········ SCM-13
MOTER DRIVE-2 SCHEMATIC DIAGRAM 10/11 (E3) ········ SCM-14
SUB POWER SCHEMATIC DIAGRAM 11/11 (E3) ········ SCM-15
VIDEO C-1 SCHEMATIC DIAGRAM 1/5 (E13) ········ SCM-16
VIDEO C-2 SCHEMATIC DIAGRAM 2/5 (E13) ········ SCM-17
VIDEO C-3 SCHEMATIC DIAGRAM 3/5 (E13) ········ SCM-18
VIDEO C-4 SCHEMATIC DIAGRAM 4/5 (E13) ········ SCM-19
VIDEO C COMPARISON CHART 5/5 (E13) ········ SCM-20
VIDEO DIGITAL-3 SCHEMATIC DIAGRAM 4/10 (E6) ········ SCM-21
VIDEO DIGITAL COMPARISON CHART (E6) ········ SCM-21
VIDEO I/O-1 SCHEMATIC DIAGRAM 1/6 (E5) ········ SCM-22
VIDEO I/O-2 SCHEMATIC DIAGRAM 2/6 (E5) ········ SCM-23
VIDEO I/O-3 SCHEMATIC DIAGRAM 3/6 (E5) ········ SCM-24
VIDEO I/O-4 SCHEMATIC DIAGRAM 4/6 (E5) ········ SCM-25
VIDEO I/O-5 SCHEMATIC DIAGRAM 5/6 (E5) ········ SCM-25
VIDEO I/O COMPARISON CHART 6/6 (E5) ········ SCM-26
AUDIO METER COMPARISON CHART (E21) ········ SCM-27
AUDIO (1) COMPARISON CHART (E7) ········ SCM-27
AUDIO (2) COMPARISON CHART (E8) ········ SCM-28
FRONT LED COMPARISON CHART (E17) ········ SCM-29
FRONT JACK COMPARISON CHART (E19) ········ SCM-29
FRONT COMPARISON CHART (E16) ········ SCM-29
KEYBOARD COMPARISON CHART (E18) ········ SCM-29
Y MEMORY-2 SCHEMATIC DIAGRAM 2/9 (E11) ········ SCM-30
Y MEMORY-1 SCHEMATIC DIAGRAM 1/9 (E11) ········ SCM-31
SYNC SEP & AFC SCHEMATIC DIAGRAM 3/9 (E11) ········ SCM-32
CLAMP & AMP SCHEMATIC DIAGRAM 4/9 (E11) ········ SCM-33
C MEMORY SCHEMATIC DIAGRAM 5/9 (E11) ········ SCM-34
TBC & DMS G.A.BLOCK SCHEMATIC DIAGRAM 6/9 (E11) ········ SCM-35
D.M.S SCHEMATIC DIAGRAM 7/9 (E11) ········ SCM-36
TBC (1) CONNECTION SCHEMATIC DIAGRAM 8/9 (E11) ········ SCM-37
TBC (1) COMPARISON CHART 9/9 (E11) ········ SCM-37
DMS SUB SCHEMATIC DIAGRAM (E101) ········ SCM-38
TIME CODE COMPARISON CHART (E10) ········ SCM-39
REAR JACK COMPARISON CHART (E29) ········ SCM-39
HEAD AMP COMPARISON CHART (E15) ········ SCM-39
REAR AMP COMPARISON CHART (E28) ········ SCM-40
MOTHER SCHEMATIC DIAGRAM (E4) ········ SCM-41
INTERCONNECTION SCHEMATIC DIAGRAM ········ SCM-42

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

GENERAL COMPARISON CHART

SCHEMATIC DIAGRAM	AG-DS850P Page	REMARK
POWER CONNECT SCHEMATIC DIAGRAM (E32)	SCM-5	COMMON (See AG-DS850P S/M)
POWER (1) SCHEMATIC DIAGRAM (E1)	SCM-5	COMMON (See AG-DS850P S/M)
POWER (2) SCHEMATIC DIAGRAM (E2)	SCM-5	COMMON (See AG-DS850P S/M)
SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11 (E3)	SCM-6	CHANGED (See Page: SCM-5)
SERVO SUB (2) SCHEMATIC DIAGRAM (E103)	SCM-7	DELETED (absorbed by "E3")
SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11 (E3)	SCM-7	CHANGED (See Page: SCM-6)
REEL SERVO SCHEMATIC DIAGRAM 3/11 (E3)	SCM-8	CHANGED (See Page: SCM-7)
CYL SERVO SCHEMATIC DIAGRAM 4/11 (E3)	SCM-9	CHANGED (See Page: SCM-8)
CTL AMP SCHEMATIC DIAGRAM 5/11 (E3)	SCM-10	CHANGED (See Page: SCM-9)
WIDE SCHEMATIC DIAGRAM 6/11 (E3)	SCM-11	CHANGED (See Page: SCM-10)
CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7/11 (E3)	SCM-12	CHANGED (See Page: SCM-11)
CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8/11 (E3)	SCM-13	CHANGED (See Page: SCM-12)
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MOTER DRIVE-2 SCHEMATIC DIAGRAM 10/11 (E3)	SCM-15	CHANGED (See Page: SCM-14)
SUB POWER SCHEMATIC DIAGRAM 11/11 (E3)	SCM-16	CHANGED (See Page: SCM-15)
VIDEO C-1 SCHEMATIC DIAGRAM 1/5 (E13)	SCM-17	CHANGED (See Page: SCM-16)
VIDEO C-2 SCHEMATIC DIAGRAM 2/5 (E13)	SCM-18	CHANGED (See Page: SCM-17)
VIDEO C-3 SCHEMATIC DIAGRAM 3/5 (E13)	SCM-19	CHANGED (See Page: SCM-18)
VIDEO C-4 SCHEMATIC DIAGRAM 4/5 (E13)	SCM-20	CHANGED (See Page: SCM-19)
VIDEO C COMPARISON CHART 5/5 (E13)	SCM-20	CHANGED (See Page: SCM-20)
VIDEO DIGITAL-1 SCHEMATIC DIAGRAM 1/10 (E6)	SCM-21	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-2 SCHEMATIC DIAGRAM 2/10 (E6)	SCM-22	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-3 SCHEMATIC DIAGRAM 3/10 (E6)	SCM-23	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-4 SCHEMATIC DIAGRAM 4/10 (E6)	SCM-24	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-5 SCHEMATIC DIAGRAM 5/10 (E6)	SCM-25	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-6 SCHEMATIC DIAGRAM 6/10 (E6)	SCM-26	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-7 SCHEMATIC DIAGRAM 7/10 (E6)	SCM-27	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-9 SCHEMATIC DIAGRAM 9/10 (E6)	SCM-28	CHANGED (See Page: SCM-21)
VIDEO DIGITAL-8 SCHEMATIC DIAGRAM 8/10 (E6)	SCM-29	CHANGED (See Page: SCM-21)
VIDEO DIGITAL COMPARISON CHART 10/10 (E6)	SCM-30	CHANGED (See Page: SCM-21)
VIDEO I/O-1 SCHEMATIC DIAGRAM 1/6 (E5)	SCM-31	CHANGED (See Page: SCM-22)
VIDEO I/O-2 SCHEMATIC DIAGRAM 2/6 (E5)	SCM-32	CHANGED (See Page: SCM-23)
VIDEO I/O-3 SCHEMATIC DIAGRAM 3/6 (E5)	SCM-33	CHANGED (See Page: SCM-24)
VIDEO I/O-4 SCHEMATIC DIAGRAM 4/6 (E5)	SCM-34	CHANGED (See Page: SCM-25)

SCHEMATIC DIAGRAM	AG-DS850P Page	REMARK
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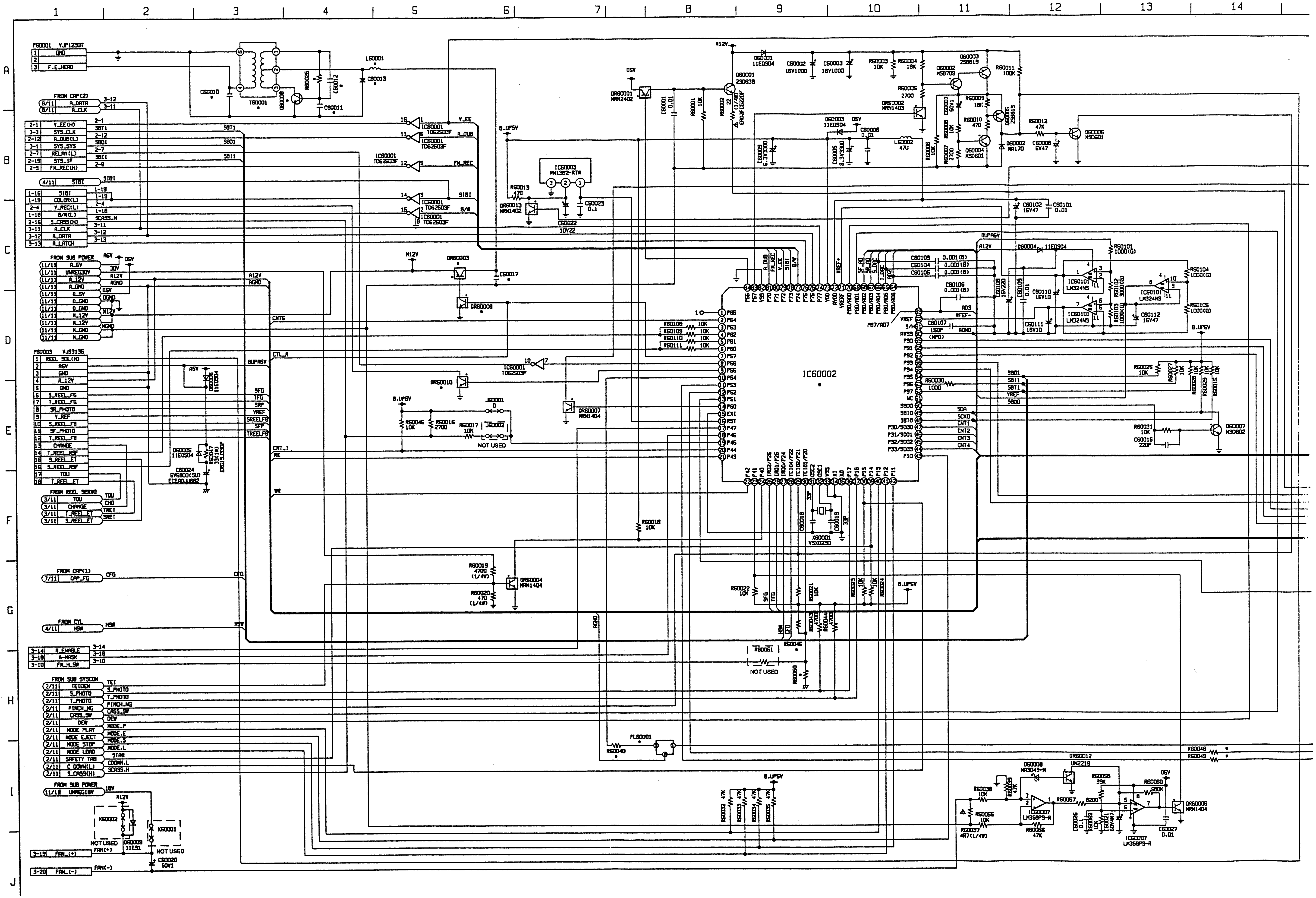
VIDEO I/O COMPARISON CHART 6/6 (E5)	SCM-35	CHANGED (See Page: SCM-26)
VIDEO I/O SUB (1) SCHEMATIC DIAGRAM (E104)	SCM-36	DELETED (absorbed by "E5")
AUDIO METER SCHEMATIC DIAGRAM (E21)	SCM-36	CHANGED (See Page: SCM-27)
AUDIO (1) LINER SCHEMATIC DIAGRAM 1/3 (E7)	SCM-37	CHANGED (See Page: SCM-27)
AUDIO (1) CONTROL SCHEMATIC DIAGRAM 2/3 (E7)	SCM-38	CHANGED (See Page: SCM-27)
AUDIO (1) INPUT SCHEMATIC DIAGRAM 3/3 (E7)	SCM-39	CHANGED (See Page: SCM-27)
AUDIO (2) FM AUDIO SCHEMATIC DIAGRAM 1/5 (E8)	SCM-40	CHANGED (See Page: SCM-28)
AUDIO (2) TC SCHEMATIC DIAGRAM 2/5 (E8)	SCM-41	CHANGED (See Page: SCM-28)
AUDIO (2) PHONE OUT SCHEMATIC DIAGRAM 3/5 (E8)	SCM-42	CHANGED (See Page: SCM-28)
AUDIO (2) FLYING ERASE SCHEMATIC DIAGRAM 4/5 (E8)	SCM-43	CHANGED (See Page: SCM-28)
AUDIO (2) OUT PUT SCHEMATIC DIAGRAM 5/5 (E8)	SCM-44	CHANGED (See Page: SCM-28)
INTERFACE-1 SCHEMATIC DIAGRAM 1/5 (E9)	SCM-45	COMMON (See AG-DS850P S/M)
INTERFACE-2 SCHEMATIC DIAGRAM 2/5 (E9)	SCM-46	COMMON (See AG-DS850P S/M)
INTERFACE-4 SCHEMATIC DIAGRAM 4/5 (E9)	SCM-47	COMMON (See AG-DS850P S/M)
INTERFACE-3 SCHEMATIC DIAGRAM 3/5 (E9)	SCM-48	COMMON (See AG-DS850P S/M)
INTERFACE-5 SCHEMATIC DIAGRAM 5/5 (E9)	SCM-49	COMMON (See AG-DS850P S/M)
FRONT LED SCHEMATIC DIAGRAM (E17)	SCM-49	CHANGED (See Page: SCM-29)
FRONT-1 SCHEMATIC DIAGRAM 1/4 (E16)	SCM-50	COMMON (See AG-DS850P S/M)
FRONT-2 SCHEMATIC DIAGRAM 2/4 (E16)	SCM-51	COMMON (See AG-DS850P S/M)
FRONT-3 SCHEMATIC DIAGRAM 3/4 (E16)	SCM-52	COMMON (See AG-DS850P S/M)
FRONT COMPARISON CHART 4/4 (E16)	SCM-53	CHANGED (See Page: SCM-29)
FRONT JACK SCHEMATIC DIAGRAM (E19)	SCM-53	CHANGED (See Page: SCM-29)
MIC JACK SCHEMATIC DIAGRAM (E20)	SCM-54	DELETED
KEYBOARD SCHEMATIC DIAGRAM (E18)	SCM-55	CHANGED (See Page: SCM-29)
Y MEMORY-1 SCHEMATIC DIAGRAM 1/9 (E11)	SCM-56	CHANGED (See Page: SCM-31)
Y MEMORY-2 SCHEMATIC DIAGRAM 2/9 (E11)	SCM-57	CHANGED (See Page: SCM-30)
SYNC SEP & AFC SCHEMATIC DIAGRAM 3/9 (E11)	SCM-58	CHANGED (See Page: SCM-32)
CLAMP & AMP SCHEMATIC DIAGRAM 4/9 (E11)	SCM-59	CHANGED (See Page: SCM-33)
D.M.S SCHEMATIC DIAGRAM 7/9 (E11)	SCM-60	CHANGED (See Page: SCM-36)
C MEMORY SCHEMATIC DIAGRAM 5/9 (E11)	SCM-61	CHANGED (See Page: SCM-34)
TBC & DMS G.A.BLOCK SCHEMATIC DIAGRAM 6/9 (E11)	SCM-62	CHANGED (See Page: SCM-35)
TBC (1) CONNECTION SCHEMATIC DIAGRAM 8/9 (E11)	SCM-63	CHANGED (See Page: SCM-37)
TBC (1) COMPARISON CHART 9/9 (E11)	SCM-63	CHANGED (See Page: SCM-37)
TBC SUB SCHEMATIC DIAGRAM (E101)	SCM-64	DELETED
DMS SUB SCHEMATIC DIAGRAM (E101)	—	ADDED (See Page: SCM-34)
SYNC GEN-1 SCHEMATIC DIAGRAM 1/6 (E12)	SCM-65	COMMON (See AG-DS850P S/M)
SYNC GEN-2 SCHEMATIC DIAGRAM 2/6 (E12)	SCM-66	COMMON (See AG-DS850P S/M)
SYNC GEN-3 SCHEMATIC DIAGRAM 3/6 (E12)	SCM-67	COMMON (See AG-DS850P S/M)
ENCODER SCHEMATIC DIAGRAM 4/6 (E12)	SCM-68	COMMON (See AG-DS850P S/M)
TBC (2) CONNECTION SCHEMATIC DIAGRAM 5/6 (E12)	SCM-69	COMMON (See AG-DS850P S/M)
TBC (2) COMPARISON CHART 6/6 (E12)	SCM-69	COMMON (See AG-DS850P S/M)
TIME CODE-1 SCHEMATIC DIAGRAM 1/3 (E10)	SCM-70	CHANGED (See Page: SCM-39)
TIME CODE-2 SCHEMATIC DIAGRAM 2/3 (E10)	SCM-71	CHANGED (See Page: SCM-39)
TIME CODE COMPARISON CHART 3/3 (E10)	SCM-71	CHANGED (See Page: SCM-39)
REAR AMP VIDEO SCHEMATIC DIAGRAM 1/4 (E28)	SCM-72	CHANGED (See Page: SCM-40)
REAR AMP AUDIO OUT SCHEMATIC DIAGRAM 3/4 (E28)	SCM-73	CHANGED (See Page: SCM-40)
REAR AMP AUDIO IN SCHEMATIC DIAGRAM 2/4 (E28)	SCM-74	CHANGED (See Page: SCM-40)
REAR AMP COMPARISON CHART 4/4 (E28)	SCM-74	CHANGED (See Page: SCM-40)
9PIN CONNECT SCHEMATIC DIAGRAM (E33)	SCM-74	COMMON (See AG-DS850P S/M)
REAR JACK SCHEMATIC DIAGRAM (E29)	SCM-75	CHANGED (See Page: SCM-39)
XLR M SCHEMATIC DIAGRAM (E30)	SCM-76	COMMON (See AG-DS850P S/M)
XLR F SCHEMATIC DIAGRAM (E31)	SCM-76	DELETED
HEAD AMP SCHEMATIC DIAGRAM (E15)	SCM-77	CHANGED (See Page: SCM-39)
REEL DRIVE SCHEMATIC DIAGRAM (E14)	SCM-78	COMMON (See AG-DS850P S/M)
MOTHER SCHEMATIC DIAGRAM (E4)	SCM-79	CHANGED (See Page: SCM-41)
INTERCONNECTION SCHEMATIC DIAGRAM	SCM-80	CHANGED (See Page: SCM-42)

SYSTEM CONTROL SCHEMATIC DIAGRAM 1/11 (E3: Page CBA-3)



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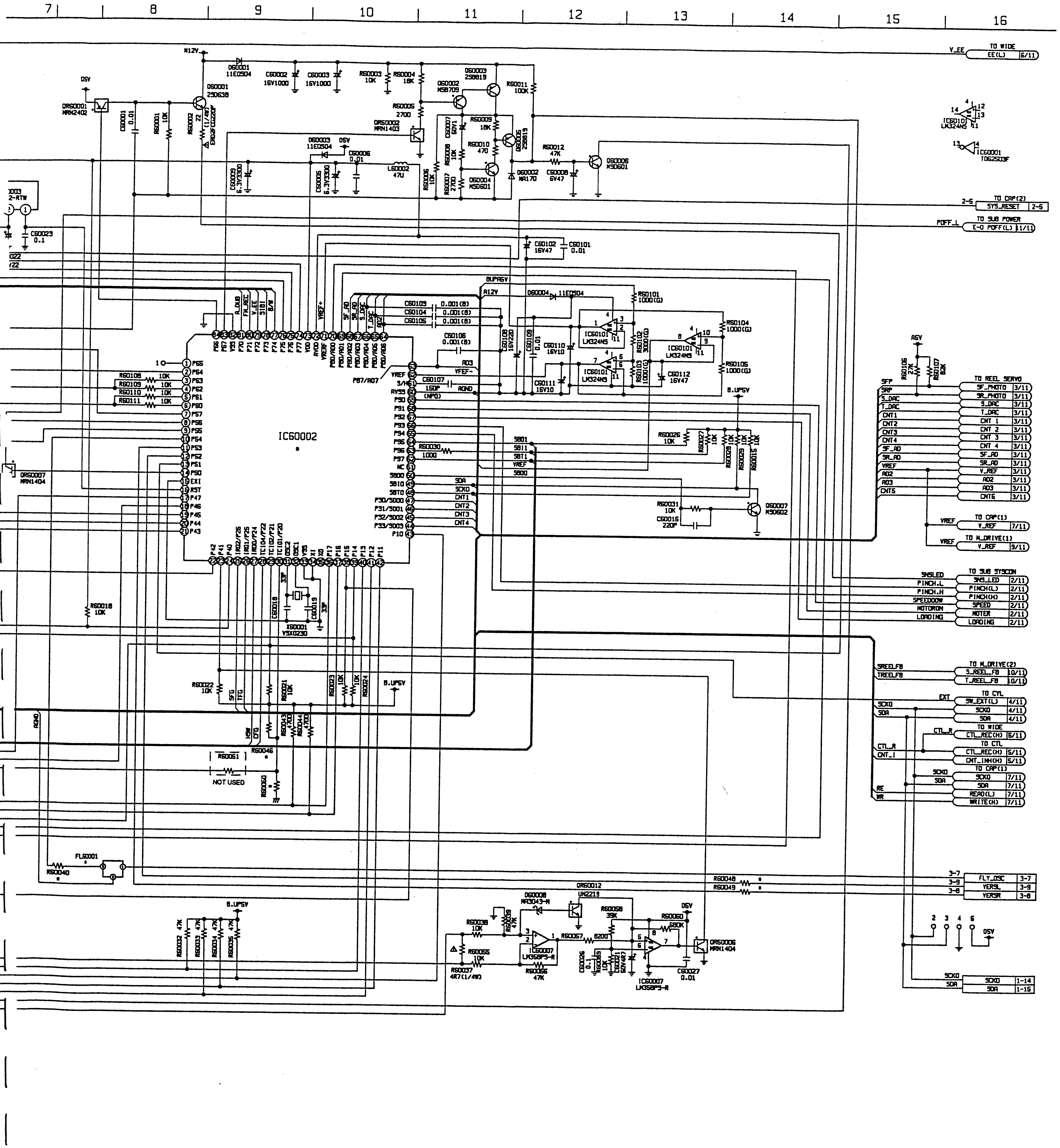
11
12
13
14
A
B
C
D
E
F
G
H
I
J
P60001 VJP1230T
GND
F.E_HEAD
FROM CAP(2)
A_DATA
A_CLK
V_EE(H)
SYS_CLK
A_DUB(L)
SYS_SYS
RELAY(L)
SYS_IF
FM_REC(H)
SIBI
COLOR(L)
V_REC(L)
B/W(L)
S_CASS(H)
A_CLK
A_DATA
A_LATCH
FROM SUB POWER
A_5V
UNREG30V
A_12V
A_GND
D_5V
D_GND
M_12V
M_GND
P60003 VJS3135
REEL SOL(H)
A5V
GND
A_12V
S_REEL_FG
T_REEL_FG
SR_PHOTO
V_REF
S_REEL_FB
SF_PHOTO
T_REEL_FB
CHANGE
T_REEL_RSF
S_REEL_ET
S_REEL_RSF
TOU
T_REEL_ET
FROM REEL SERVO
TOU
CHANGE
T_REEL_ET
S_REEL_ET
FROM CAP(1)
CAP_FG
CFG
FROM CYL
HSW
A_ENABLE
A-MASK
FM_H_SW
FROM SUB SYSCON
TEIDEN
S_PHOTO
T_PHOTO
PINCH_NG
CASS_SW
DEW
MODE PLAY
MODE EJECT
MODE STOP
MODE LOAD
SAFETY TAB
C DOWN(L)
S_CASS(H)
FROM SUB POWER
UNREG18V
M12V
K60002
K60001
NOT USED
D60009 11ES1
C60020 50V1
FAN_(+)
FAN_(-)
FAN(+)
FAN(-)
T60001
Q60008
R60026
C60010
C60012
C60011
L60001
C60013
IC60001 TD62503F
V_EE
A_DUB
FM_REC
SIBI
B/W
IC60003 MN1382-RTW
QR60013 MRN1402
R60013 470
C60022 10V22
C60023 0.1
8.UPSV
D5V
QR60001 MRN2402
C60001 0.01
R60001 10K
R60002 22 (1/4W) ERD2FCJ220P
M12V
Q60001 2SD638
D60001 11EQS04
C60002 16V1000
C60003 16V1000
R60003 10K
R60004 18K
R60005 2700
QR60002 MRN1403
Q60002 MSB709
Q60003 2SB819
R60011 100K
C60007 6V1
R60009 18K
R60010 470
Q60005 2SB819
R60008 10K
R60007 2700
Q60004 MSD601
R60006 10K
D60002 MA170
C60008 6V47
R60012 47K
Q60006 MSD601
D60003 11EQS04
C60009 6.3V3300
C60005 6.3V3300
C60006 0.01
L60002 47U
C60102 16V47
C60101 0.01
BUPASV
A12V
D60004 11EQS04
R60101 1000(G)
R60102 3000(G)
R60103 1000(G)
R60104 1000(G)
R60105 1000(G)
IC60101 LM324NS
C60112 16V47
C60103 0.001(B)
C60104 0.001(B)
C60105 0.001(B)
C60106 0.001(B)
C60107 150P (NPO)
C60108 16V220
C60109 0.01
C60110 16V10
C60111 16V10
IC60002
R60108 10K
R60109 10K
R60110 10K
R60111 10K
P65
P64
P63
P62
P61
P60
P57
P56
P55
P54
P53
P52
P51
P50
EX1
RST
P47
P46
P45
P44
P43
P42
P41
P40
IRQ2/P26
IRQ1/P25
IRQ0/P24
TC102/P22
TC101/P21
TC101/P20
OSC2
OSC1
VSS
X1
X0
P17
P16
P15
P14
P13
P12
P11
P10
P33/SO03
P32/SO02
P31/SO01
P30/SO00
SBT0
SBIO
SBO0
NC
P37
P36
P35
P34
P33
P32
P31
P30
AVSS
S/H
P87/AN7
VREF
VFEF-
AGND
AN3
SDA
SCKO
CNT1
CNT2
CNT3
CNT4
SBO1
SBI1
SBT1
VREF
SBO0
R60030 1000
R60026 10K
R60027 10K
R60028 10K
R60029 10K
R60015 10K
R60031 10K
C60016 220P
Q60007 MSD602
8.UPSV
QR60003
C60017
QR60008
QR60010
IC60001 TD62503F
QR60007 MRN1404
R60045 10K
R60016 2700
R60017 10K
J60001 0
J60002
NOT USED
D60005 11EQS04
C60024 6V6800(SU) ECEA0JU682
R60047 3.3(1/8W) ERQ15.030P
D60006 11EQS04
CNT5
CTL_R
CNT_I
RE
WR
SFG
TFG
SRP
VREF
SREELFB
SFP
TREELFB
R60018 10K
C60018 33P
C60019 33P
X60001 YSX0230
R60019 4700 (1/4W)
R60020 470 (1/4W)
QR60004 MRN1404
R60022 10K
R60021 10K
R60023 10K
R60024 10K
R60043 4700
R60044 4700
R60046
R60051
NOT USED
R60050
AGND
FL60001
R60040
R60032 47K
R60033 47K
R60034 47K
R60035 47K
D60008 MA3043-M
QR60012 UN2219
R60038 10K
R60039 47K
R60055 10K
R60037 4R7(1/4W)
IC60007 LM358PS-R
R60056 47K
R60057
C60026 0.1
R60059
R60058 39K
R60060 680K
QR60006 MRN1404
C60027 0.01
R60048
R60049

BA-3)


7
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11
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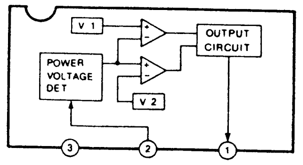
14
15
16
M12V
D60001 11EQS04
Q60001 2SD638
C60002 16V1000
C60003 16V1000
R60003 10K
R60004 18K
Q60003 2SB819
Q60002 MSB709
R60011 100K
R60005 2700
QR60002 MRN1403
R60009 18K
R60010 470
Q60005 2SB819
Q60004 MSD601
R60012 47K
Q60006 MSD601
D60002 MA170
C60008 6V47
L60002 47U
D60003 11EQS04
C60006 0.01
QR60001 MRN2402
C60001 0.01
R60001 10K
R60002 22 (1/4W) ERQ2FCJ220P
C60009 6.3V3300
C60005 6.3V3300
C60023 0.1
QR60007 MRN1404
V_EE
TO WIDE
EE(L) 6/11
IC60101 LM324NS
IC60001 TO62S03F
2-5
TO CAP(2)
SYS_RESET 2-5
POFF_L
TO SUB POWER
E-O POFF(L) 11/11
C60102 16V47
C60101 0.01
8UPASV
A12V
D60004 11EQS04
R60101 1000(D)
R60104 1000(D)
R60105 1000(D)
C60109 0.001(B)
C60104 0.001(B)
C60105 0.001(B)
C60106 0.001(B)
C60108 16V220
C60109 0.01
C60110 16V10
C60111 16V10
C60112 16V47
C60107 150P (NPO)
R60102 300(D)
R60103 100(D)
IC60002
R60108 10K
R60109 10K
R60110 10K
R60111 10K
R60030 1000
R60026 10K
R60027 10K
R60028 10K
R60029 10K
R60015 10K
R60031 10K
C60016 220P
Q60007 MSD602
R60106 27K
R60107 82K
A5V
8.UPSV
SFP
SRP
S_DAC
T_DAC
CNT1
CNT2
CNT3
CNT4
SF_AD
SR_AD
VREF
AD2
AD3
CNT5
TO REEL SERVO
SF_PHOTO 3/11
SR_PHOTO 3/11
S_DAC 3/11
T_DAC 3/11
CNT 1 3/11
CNT 2 3/11
CNT 3 3/11
CNT 4 3/11
SF_AD 3/11
SR_AD 3/11
V_REF 3/11
AD2 3/11
AD3 3/11
CNT5 3/11
TO CAP(1)
V_REF 7/11
TO M_DRIVE(1)
V_REF 9/11
SNSLED
PINCH.L
PINCH.H
SPEEDDOW
MOTORON
LOADING
TO SUB SYSCON
SNS_LED 2/11
PINCH(L) 2/11
PINCH(H) 2/11
SPEED 2/11
MOTER 2/11
LOADING 2/11
R60018 10K
C60018 33P
C60019 33P
X60001 VSX0230
R60022 10K
R60021 10K
R60023 10K
R60024 10K
R60043 470
R60044 470
R60045
R60046
R60051
NOT USED
R60050
SREELFB
TREELFB
TO M_DRIVE(2)
S_REEL_FB 10/11
T_REEL_FB 10/11
EXT
TO CYL
SW_EXT(L) 4/11
SCKO 4/11
SDA 4/11
SCKO
SDA
CTL_R
TO WIDE
CTL_REC(H) 6/11
CTL_R
CNT_I
TO CTL
CTL_REC(H) 5/11
CNT_INH(H) 5/11
TO CAP(1)
SCKO 7/11
SDA 7/11
READ(L) 7/11
WRITE(H) 7/11
RE
WR
FL60001
R60040
R60048
R60049
3-7
3-9
3-8
FLY_OSC 3-7
VERSL 3-9
VERSR 3-8
D60008 MA3043-M
QR60012 UN2219
R60038 10K
R60039 47K
R60055 10K
R60037 4R7(1/4W)
IC60007 LM358PS-R
R60056 47K
R60057
R60058 39K
R60059 10K
C60026 0.1
C60021 6V4R7
R60060 680K
C60027 0.01
QR60006 MRN1404
R60032 47K
R60033 47K
R60034 47K
R60035 47K
2 3 4 5
D5V
SCKO 1-14
SDA 1-15

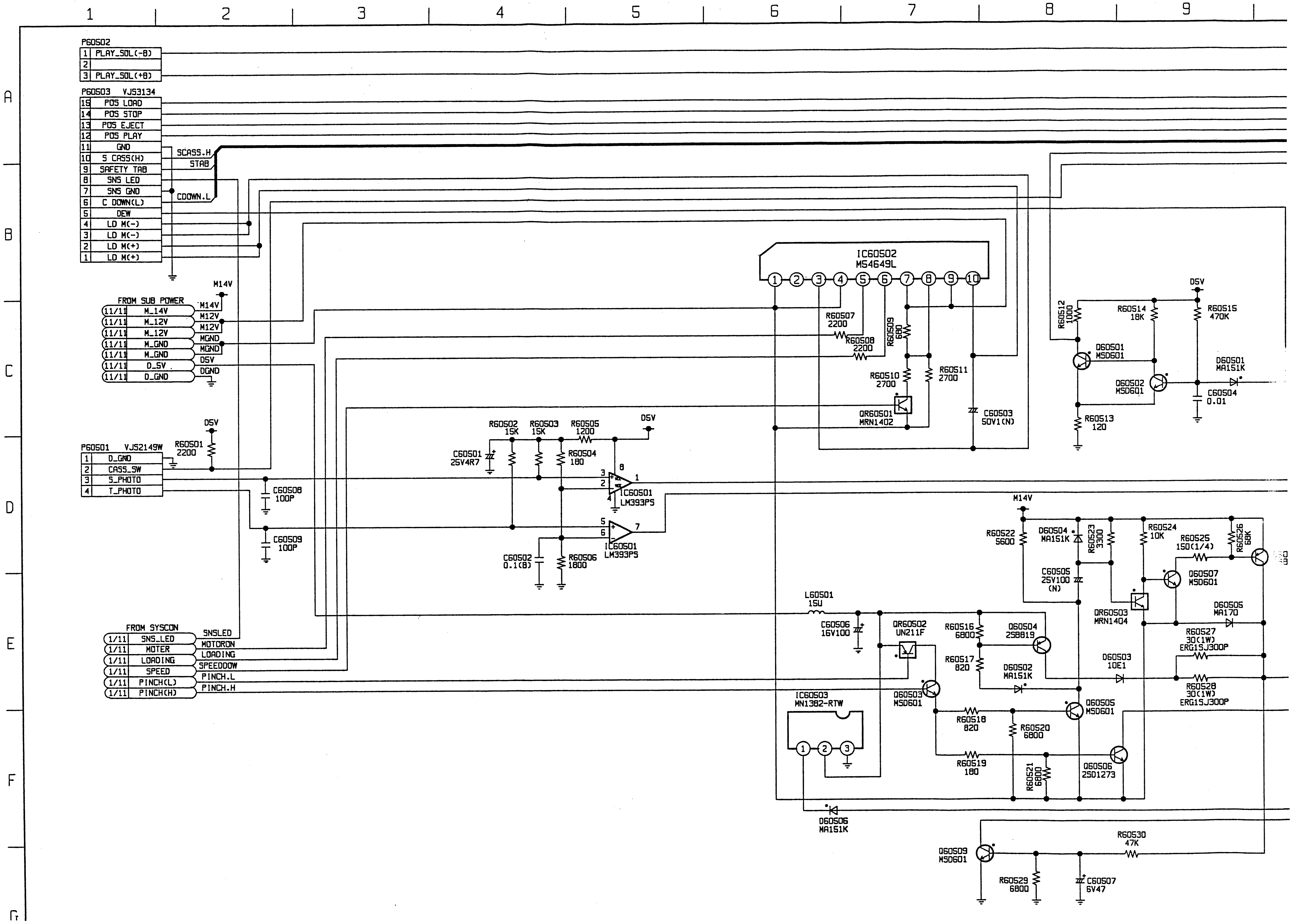
	AG-DS850	AG-DS840
C60010	0.033(B)	————
C60011	0.0047(B)(J)	————
C60012	0.01(B)(J)	————
C60013	16V10	————
C60017	0.01	————
FL60001	VLF0630	————
IC60002	MN188166VMCY	MN188166VMCY
L60001	470U	————
P60001	VJP1230T	————
Q60008	2SD636	————
QR60003	MRN2402	————
QR60008	MRN1404	————
QR60010	MRN1404	————
R60025	33K(1/4W)	————
R60040	100	————
R60046	0	0
R60048	100	————
R60049	100	————
R60050	————	————
T60001	EI070F0028	————

IC60003
MN1382-RTW


V 1
V 2
POWER VOLTAGE DET
OUTPUT CIRCUIT
3
2
1

⊂⊃ -INPUT SIGNAL
⊂⊃ -OUTPUT SIGNAL
*-REFER TO THE COMPARISON CHART
Ref No.60000 Series.

SUB SYSTEM CONTROL SCHEMATIC DIAGRAM 2/11 (E3: Page CBA-3)


1
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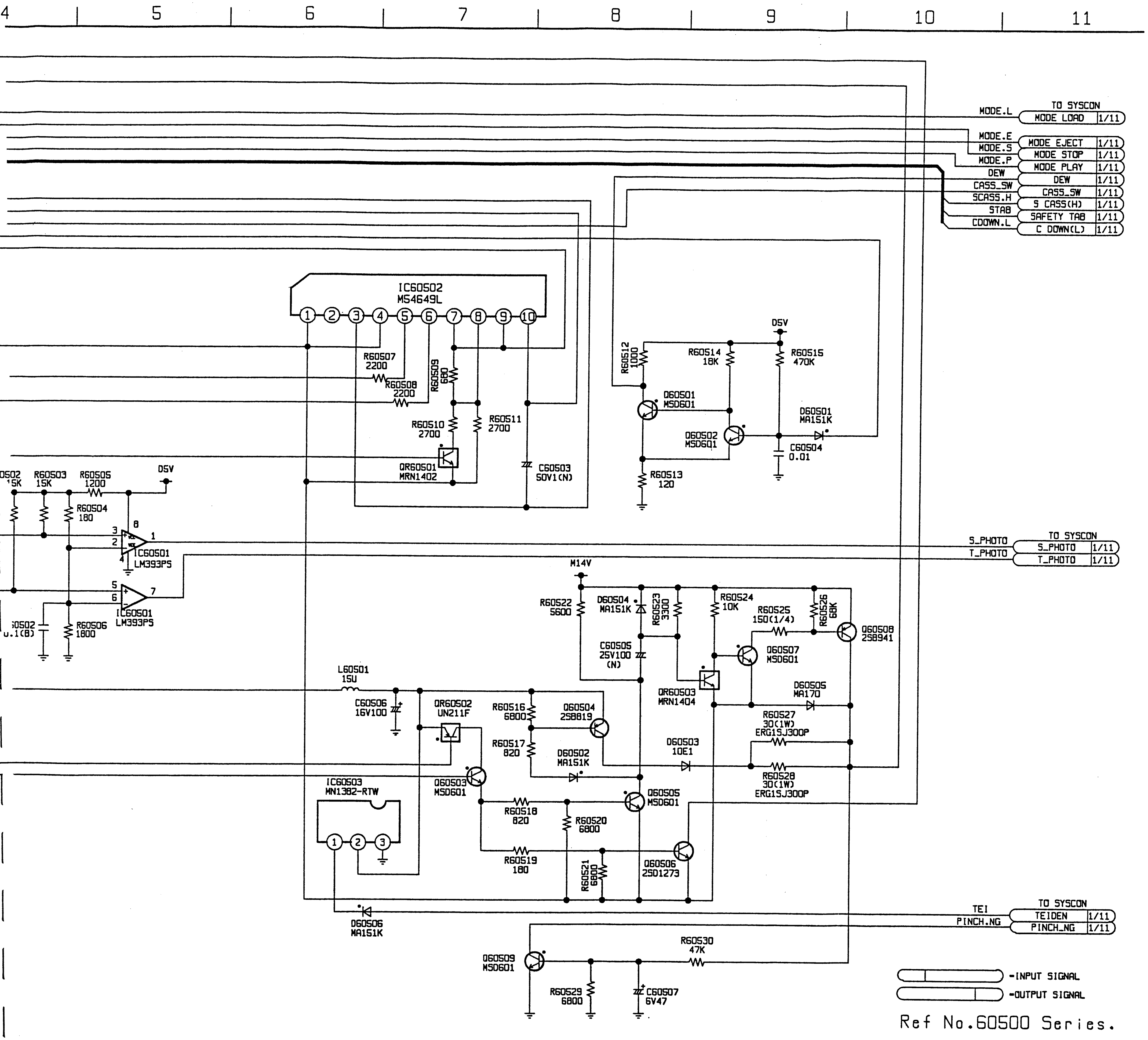
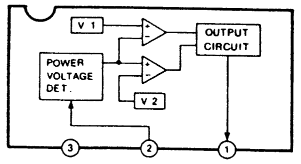
9
A
B
C
D
E
F
G
P60502
1 PLAY_SOL(-B)
2
3 PLAY_SOL(+B)
P60503 VJS3134
15 POS LOAD
14 POS STOP
13 POS EJECT
12 POS PLAY
11 GND
10 S CASS(H)
9 SAFETY TAB
8 SNS LED
7 SNS GND
6 C DOWN(L)
5 DEW
4 LD M(-)
3 LD M(-)
2 LD M(+)
1 LD M(+)
SCASS.H
STAB
CDOWN.L
M14V
FROM SUB POWER
11/11 M_14V
11/11 M_12V
11/11 M_12V
11/11 M_GND
11/11 M_GND
11/11 D_5V
11/11 D_GND
M14V
M12V
M12V
MGND
MGND
D5V
DGND
D5V
P60501 VJS2149W
1 D_GND
2 CASS_SW
3 S_PHOTO
4 T_PHOTO
R60501 2200
C60508 100P
C60509 100P
R60502 15K
R60503 15K
R60505 1200
D5V
C60501 25V4R7
R60504 180
IC60501 LM393PS
IC60501 LM393PS
C60502 0.1(B)
R60506 1800
FROM SYSCON
1/11 SNS_LED
1/11 MOTER
1/11 LOADING
1/11 SPEED
1/11 PINCH(L)
1/11 PINCH(H)
SNSLED
MOTORON
LOADING
SPEEDDOW
PINCH.L
PINCH.H
IC60502 M54649L
R60507 2200
R60508 2200
R60509 680
R60510 2700
R60511 2700
QR60501 MRN1402
C60503 50V1(N)
R60512 1000
R60514 18K
D5V
R60515 470K
D60501 MSD601
D60502 MSD601
D60501 MA151K
C60504 0.01
R60513 120
M14V
R60522 5600
D60504 MA151K
R60523 3300
R60524 10K
R60525 150(1/4)
R60526 68K
C60505 25V100 (N)
Q60507 MSD601
QR60503 MRN1404
D60505 MA170
L60501 15U
C60506 16V100
QR60502 UN211F
R60516 6800
Q60504 2SB819
R60517 820
D60502 MA151K
D60503 10E1
R60527 3Ω(1W) ERG1SJ3Ω0P
R60528 3Ω(1W) ERG1SJ3Ω0P
IC60503 MN1382-RTW
Q60503 MSD601
R60518 820
R60520 6800
Q60505 MSD601
R60519 180
R60521 6800
Q60506 2SD1273
D60506 MA151K
R60530 47K
Q60509 MSD601
R60529 6800
C60507 6V47

1 (E3: Page CBA-3)



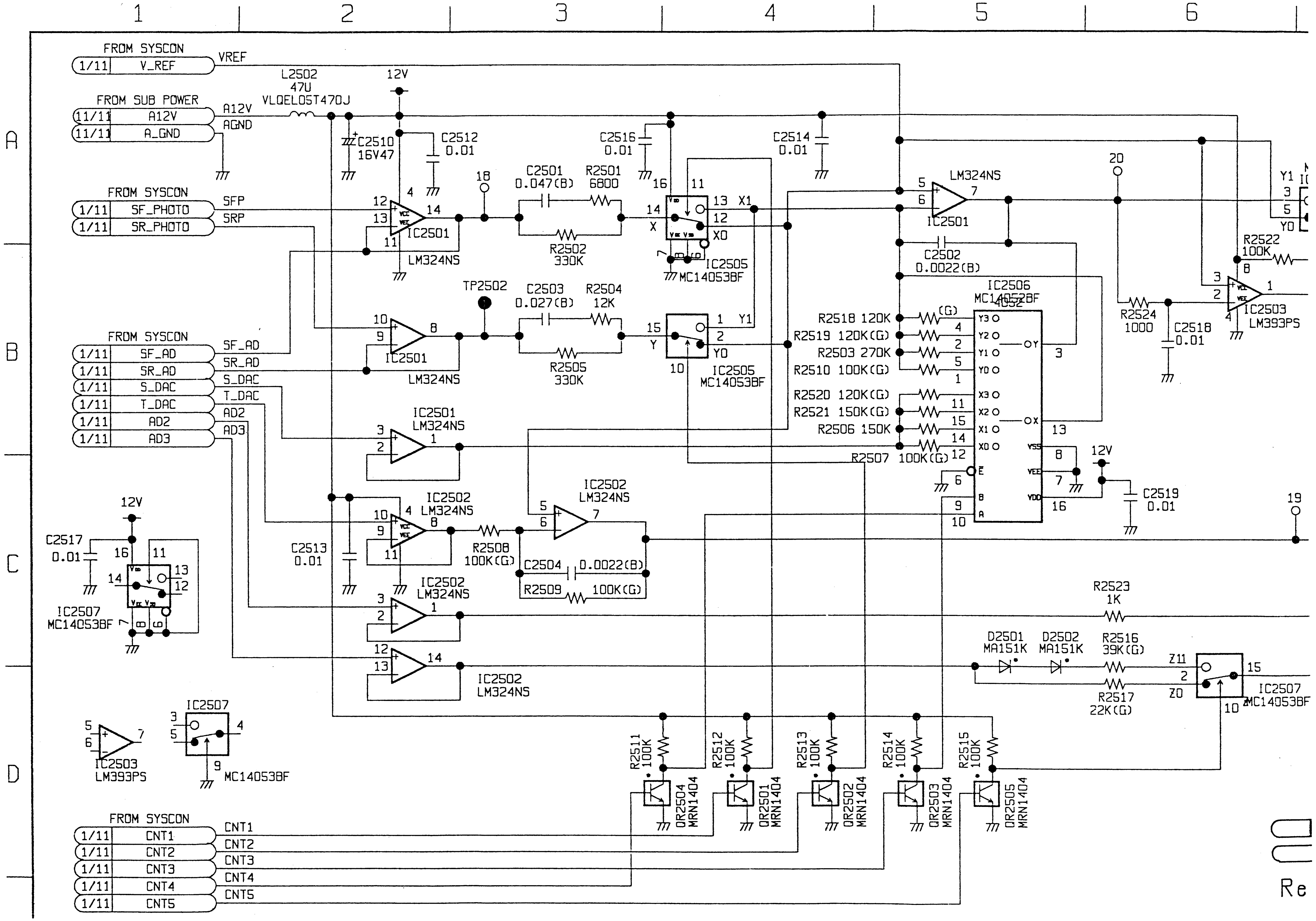
4
5
6
7
8
9
10
11
TO SYSCON
MODE.L
MODE LOAD 1/11
MODE.E
MODE EJECT 1/11
MODE.S
MODE STOP 1/11
MODE.P
MODE PLAY 1/11
DEW
DEW 1/11
CASS_SW
CASS_SW 1/11
SCASS.H
S CASS(H) 1/11
STAB
SAFETY TAB 1/11
CDOWN.L
C DOWN(L) 1/11
IC60502
M54649L
R60507 2200
R60508 2200
R60509 680
R60510 2700
R60511 2700
QR60501 MRN1402
C60503 50V1(N)
D5V
R60512 1000
R60514 18K
R60515 470K
Q60501 MSD601
Q60502 MSD601
D60501 MA151K
C60504 0.01
R60513 120
R60503 15K
R60505 1200
R60504 180
D5V
IC60501 LM393PS
IC60501 LM393PS
R60506 1800
TO SYSCON
S_PHOTO
S_PHOTO 1/11
T_PHOTO
T_PHOTO 1/11
M14V
R60522 5600
D60504 MA151K
R60523 3300
C60505 25V100 (N)
R60524 10K
R60525 150(1/4)
R60526 68K
Q60508 2SB941
Q60507 MSD601
QR60503 MRN1404
D60505 MA170
R60527 30(1W) ERG1SJ300P
L60501 15U
C60506 16V100
QR60502 UN211F
R60516 6800
Q60504 2SB819
R60517 820
D60502 MA151K
D60503 10E1
R60528 30(1W) ERG1SJ300P
IC60503 MN1382-RTW
Q60503 MSD601
R60518 820
R60520 6800
Q60505 MSD601
R60519 180
R60521 6800
Q60506 2SD1273
D60506 MA151K
TO SYSCON
TEI
TEIDEN 1/11
PINCH.NG
PINCH_NG 1/11
R60530 47K
Q60509 MSD601
R60529 6800
C60507 6V47
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.60500 Series.

IC60503
MN1382-RTW

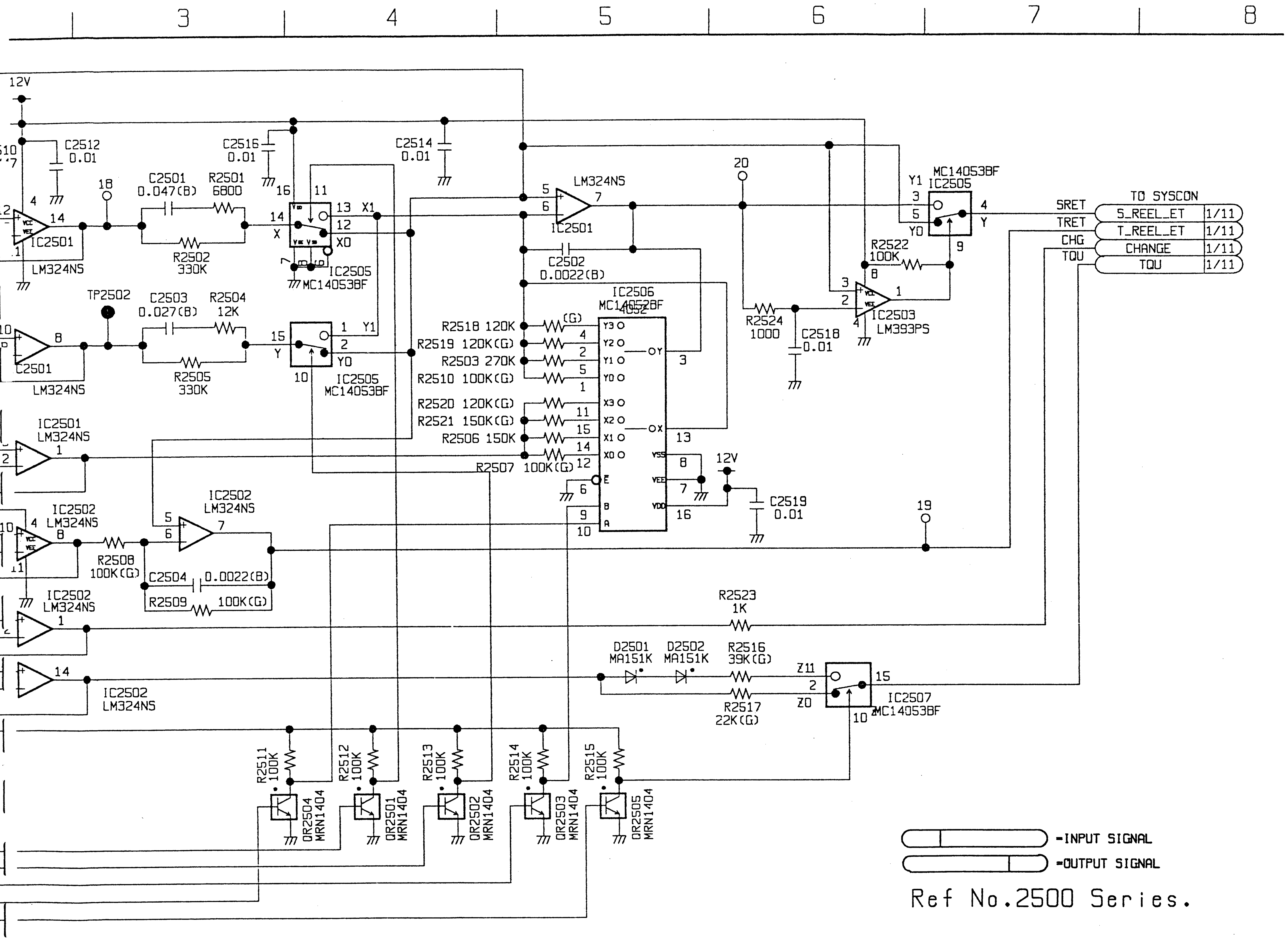


V1
V2
OUTPUT CIRCUIT
POWER VOLTAGE DET.
③
②
①

REEL SERVO SCHEMATIC DIAGRAM 3/11 (E3: Page CBA-3)

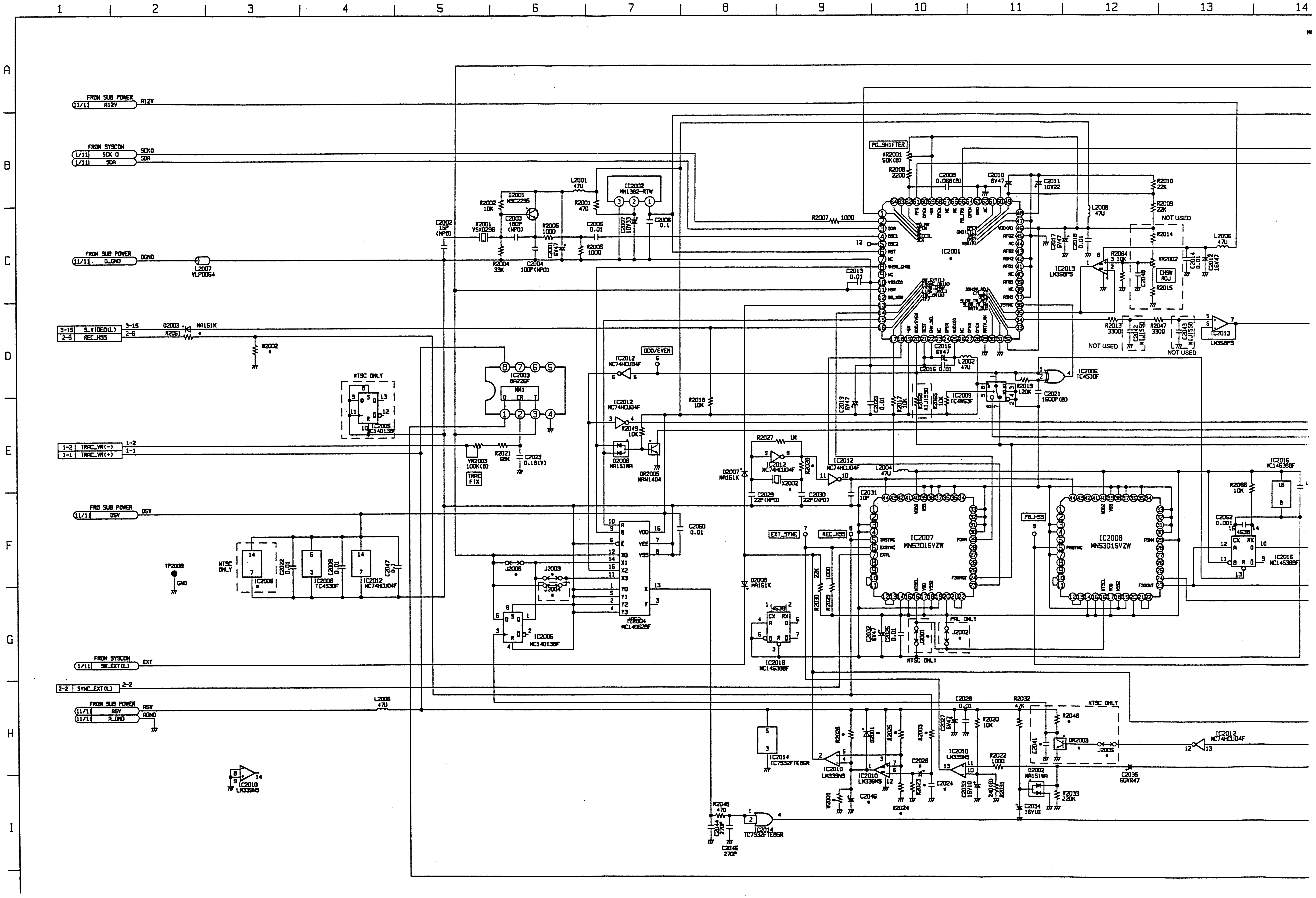

1
2
3
4
5
6
A
B
C
D
FROM SYSCON
1/11 V_REF
VREF
FROM SUB POWER
11/11 A12V
11/11 A_GND
A12V
AGND
L2502
47U
VLQEL05T470J
12V
C2510
16V47
C2512
0.01
C2516
0.01
C2514
0.01
FROM SYSCON
1/11 SF_PHOTO
1/11 SR_PHOTO
SFP
SRP
IC2501
LM324NS
18
C2501
0.047(B)
R2501
6800
R2502
330K
X1
X0
IC2505
MC14053BF
LM324NS
IC2501
20
C2502
0.0022(B)
R2522
100K
TP2502
C2503
0.027(B)
R2504
12K
R2505
330K
Y1
Y0
IC2505
MC14053BF
IC2506
MC14052BF
R2518 120K
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
R2524
1000
C2518
0.01
IC2503
LM393PS
FROM SYSCON
1/11 SF_AD
1/11 SR_AD
1/11 S_DAC
1/11 T_DAC
1/11 AD2
1/11 AD3
SF_AD
SR_AD
S_DAC
T_DAC
AD2
AD3
IC2501
LM324NS
12V
C2519
0.01
19
12V
C2517
0.01
IC2507
MC14053BF
C2513
0.01
IC2502
LM324NS
R2508
100K(G)
C2504
0.0022(B)
R2509
100K(G)
IC2502
LM324NS
R2523
1K
D2501
MA151K
D2502
MA151K
R2516
39K(G)
R2517
22K(G)
Z1
Z0
IC2507
MC14053BF
IC2502
LM324NS
IC2503
LM393PS
IC2507
MC14053BF
R2511 100K
R2512 100K
R2513 100K
R2514 100K
R2515 100K
QR2504 MRN1404
QR2501 MRN1404
QR2502 MRN1404
QR2503 MRN1404
QR2505 MRN1404
FROM SYSCON
1/11 CNT1
1/11 CNT2
1/11 CNT3
1/11 CNT4
1/11 CNT5
CNT1
CNT2
CNT3
CNT4
CNT5
Re

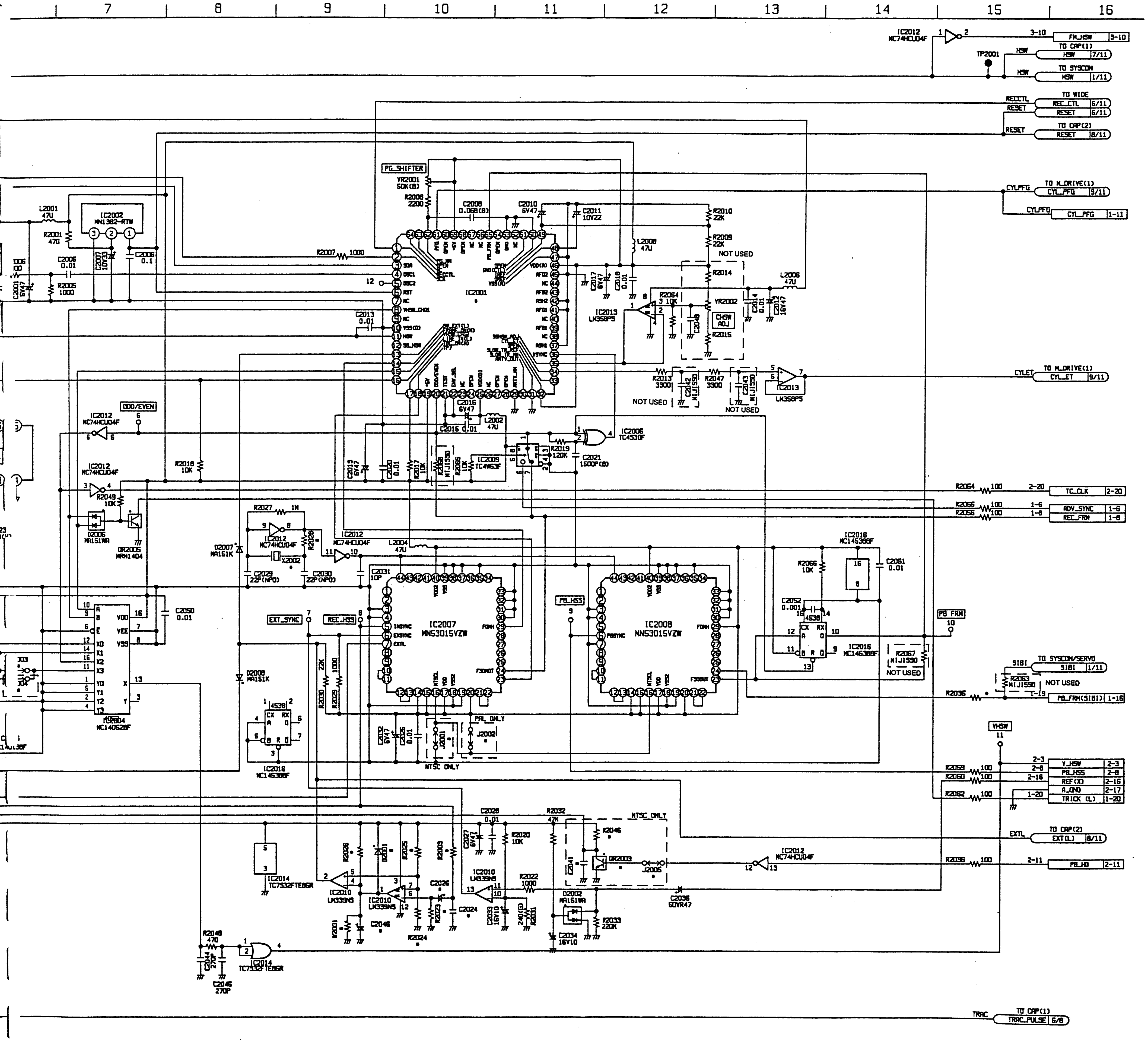
AM 3/11 (E3: Page CBA-3)


3
4
5
6
7
8
12V
C2512 0.01
C2516 0.01
C2514 0.01
C2501 0.047(B)
R2501 6800
R2502 330K
18
20
IC2501 LM324NS
IC2505 MC14053BF
X1
X0
Y1
Y0
LM324NS
IC2501
C2502 0.0022(B)
TP2502
C2503 0.027(B)
R2504 12K
R2505 330K
IC2506 MC14052BF
R2518 120K
R2519 120K(G)
R2503 270K
R2510 100K(G)
R2520 120K(G)
R2521 150K(G)
R2506 150K
R2507 100K(G)
R2524 1000
C2518 0.01
R2522 100K
IC2503 LM393PS
C2519 0.01
19
IC2502 LM324NS
R2508 100K(G)
C2504 0.0022(B)
R2509 100K(G)
R2523 1K
D2501 MA151K
D2502 MA151K
R2516 39K(G)
R2517 22K(G)
Z11
Z0
IC2507 MC14053BF
R2511 100K
R2512 100K
R2513 100K
R2514 100K
R2515 100K
QR2504 MRN1404
QR2501 MRN1404
QR2502 MRN1404
QR2503 MRN1404
QR2505 MRN1404
SRET
TRET
CHG
TQU
TO SYSCON
S_REEL_ET 1/11
T_REEL_ET 1/11
CHANGE 1/11
TQU 1/11
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.2500 Series.

]

CYL SERVO SCHEMATIC DIAGRAM 4/11 (E3: Page CBA-3)


1
2
3
4
5
6
7
8
9
10
11
12
13
14
A
B
C
D
E
F
G
H
I
FROM SUB POWER
11/11 A12V
A12V
FROM SYSCON
1/11 SCK 0
1/11 SDA
SCK0
SDA
FROM SUB POWER
11/11 D_GND
DGND
L2007
YLP0064
3-15 S_VIDEO(L)
2-6 REC_H55
D2003 MA151K
R2051
W2002
1-2 TRAC_VR(-)
1-1 TRAC_VR(+)
VR2003
100K(B)
TRAC FIX
R2021
68K
C2023
0.18(V)
FRO SUB POWER
11/11 D5V
D5V
TP2008
GND
NTSC ONLY
IC2005
IC2006
TC4530F
IC2012
MC74HCU04F
C2022
0.01
C2008
0.01
C2047
FROM SYSCON
1/11 SW_EXT(L)
EXT
2-2 SYNC_EXT(L)
FROM SUB POWER
11/11 A5V
11/11 A_GND
A5V
AGND
L2005
47U
IC2010
LM339NS
Q2001
MSC2295
R2002
10K
X2001
VSX0296
C2002
15P
(NPO)
C2003
180P
(NPO)
R2004
33K
C2004
100P(NPO)
R2006
1000
C2001
6V47
L2001
47U
R2001
470
IC2002
MN1382-RTW
C2005
0.01
R2005
1000
C2007
10V33
C2006
0.1
IC2003
BA226F
IC2012
MC74HCU04F
ODD/EVEN
R2049
10K
D2006
MA151WA
QR2005
MRN1404
J2006
J2003
J2004
IC2004
MC14052BF
IC2005
MC14013BF
C2050
0.01
R2018
10K
PG_SHIFTER
VR2001
50K(B)
R2008
2200
C2008
0.068(B)
C2010
6V47
C2011
10V22
R2007
1000
IC2001
C2013
0.01
C2017
6V47
C2018
0.01
L2008
47U
R2010
22K
R2009
22K
NOT USED
R2014
R2064
10K
VR2002
CHSW ADJ
R2015
C2048
C2014
0.01
C2012
16V47
L2006
47U
IC2013
LM358PS
R2013
3300
R2047
3300
C2043
NOT USED
C2016
6V47
L2002
47U
C2016
0.01
IC2006
TC4530F
R2019
120K
C2021
1500P(B)
C2019
6V47
C2020
0.01
IC2009
TC4W53F
R2027
1M
D2007
MA161K
X2002
C2029
22P(NPO)
C2030
22P(NPO)
L2004
47U
C2031
10P
IC2007
MN53015VZW
IC2008
MN53015VZW
PB_H55
EXT_SYNC
REC_H55
D2008
MA151K
R2030
R2029
IC2016
MC14538BF
C2032
6V47
C2025
0.01
J2001
J2002
PAL ONLY
NTSC ONLY
R2066
10K
C2052
0.001
IC2016
MC14538BF
IC2014
TC7S32FTE85R
R2026
D2001
R2025
R2003
C2026
C2024
R2024
C2046
C2028
0.01
C2027
6V47
R2020
10K
R2032
47K
R2022
1000
C2033
16V10
R2031
D2002
MA151WA
C2034
16V10
R2033
220K
NTSC ONLY
R2046
C2041
QR2003
J2005
C2035
50VR47
IC2012
MC74HCU04F
R2048
470
C2044
270P
C2045
270P
IC2014
TC7S32FTE85R


7
8
9
10
11
12
13
14
15
16
IC2012 MC74HCU04F
FM_HSW 3-10
TP2001
HSW
TO CAP(1) HSW 7/11
TO SYSCON HSW 1/11
TO WIDE REC_CTL 6/11 RESET 6/11
RECCTL
RESET
TO CAP(2) RESET 8/11
PG_SHIFTER
VR2001 50K(B)
R2008 2200
C2008 0.068(B)
C2010 6V47
C2011 10V22
R2010 22K
R2009 22K
NOT USED
L2008 47U
R2014
L2006 47U
VR2002
CHSW ADJ
R2015
IC2001
IC2013 LM358PS
R2064 10K
TO M_DRIVE(1) CYL_PFG 9/11
CYLPFG
CYL_PFG 1-11
CYLET
TO M_DRIVE(1) CYL_ET 9/11
R2013 3300
R2047 3300
NOT USED
L2001 47U
IC2002 MN1382-RTW
R2001 470
C2005 0.01
R2005 1000
C2006 0.1
R2007 1000
C2013 0.01
ODD/EVEN
IC2012 MC74HCU04F
C2016 6V47
L2002 47U
IC2009 TC4W53F
IC2006 TC4530F
R2019 120K
C2021 1500P(B)
R2018 10K
R2049 10K
D2006 MA151WA
QR2005 MRN1404
R2027 1M
D2007 MA151K
X2002
C2029 22P(NPO)
C2030 22P(NPO)
L2004 47U
C2031 10P
IC2007 MN53015VZW
IC2008 MN53015VZW
PB_HSS
EXT_SYNC
REC_HSS
R2066 10K
IC2016 MC14538BF
C2051 0.01
C2052 0.001
R2067 MIJ1550
NOT USED
PB FRM
R2054 100
TC_CLK 2-20
R2055 100
R2056 100
ADV_SYNC 1-6
REC_FRM 1-8
TO SYSCON/SERVO SIBI 1/11
R2063 MIJ1550
NOT USED
R2036
PB_FRM(SIBI) 1-16
VHSW
R2059 100
R2060 100
R2062 100
V_HSW 2-3
PB_HSS 2-8
REF(X) 2-16
A_GND 2-17
TRICK (L) 1-20
TO CAP(2) EXT(L) 8/11
EXTL
R2058 100
PB_HD 2-11
C2050 0.01
IC2004 MC14052BF
D2008 MA161K
IC2016 MC14538BF
PAL ONLY
J2002
J2001
NTSC ONLY
C2032 6V47
C2025 0.01
C2028 0.01
R2032 47K
NTSC ONLY
R2046
QR2003
J2006
C2041
IC2012 MC74HCU04F
C2036 50VR47
IC2014 TC7S32FTE85R
IC2010 LM339NS
C2026
C2024
R2020 10K
R2022 1000
D2002 MA151WA
R2033 220K
C2034 16V10
R2023
R2024
C2046
R2048 470
C2045 270P
C2046 270P
TRAC
TO CAP(1) TRAC_PULSE 6/8

	AG-DS850	AG-DS840
C2024	1000P	———
C2026	50V1	———
C2041	120P	120P
C2046	50VR47	———
D2001	MA151K	———
IC2001	MN6742VCRS	MN6742VCRS
IC2006	MC140138F	MC140138F
J2001	0	0
J2002	———	———
J2003	———	———
J2004	———	———
J2005	0	0
J2006	———	———
QR2003	MRN1404	MRN1404
R2003	33K	———
R2023	220K	———
R2024	10K	———
R2026	10K	———
R2026	180K	———
R2028	8200	8200
R2035	———	———
R2046	100K	100K
R2051	100	———
W2001	———	0

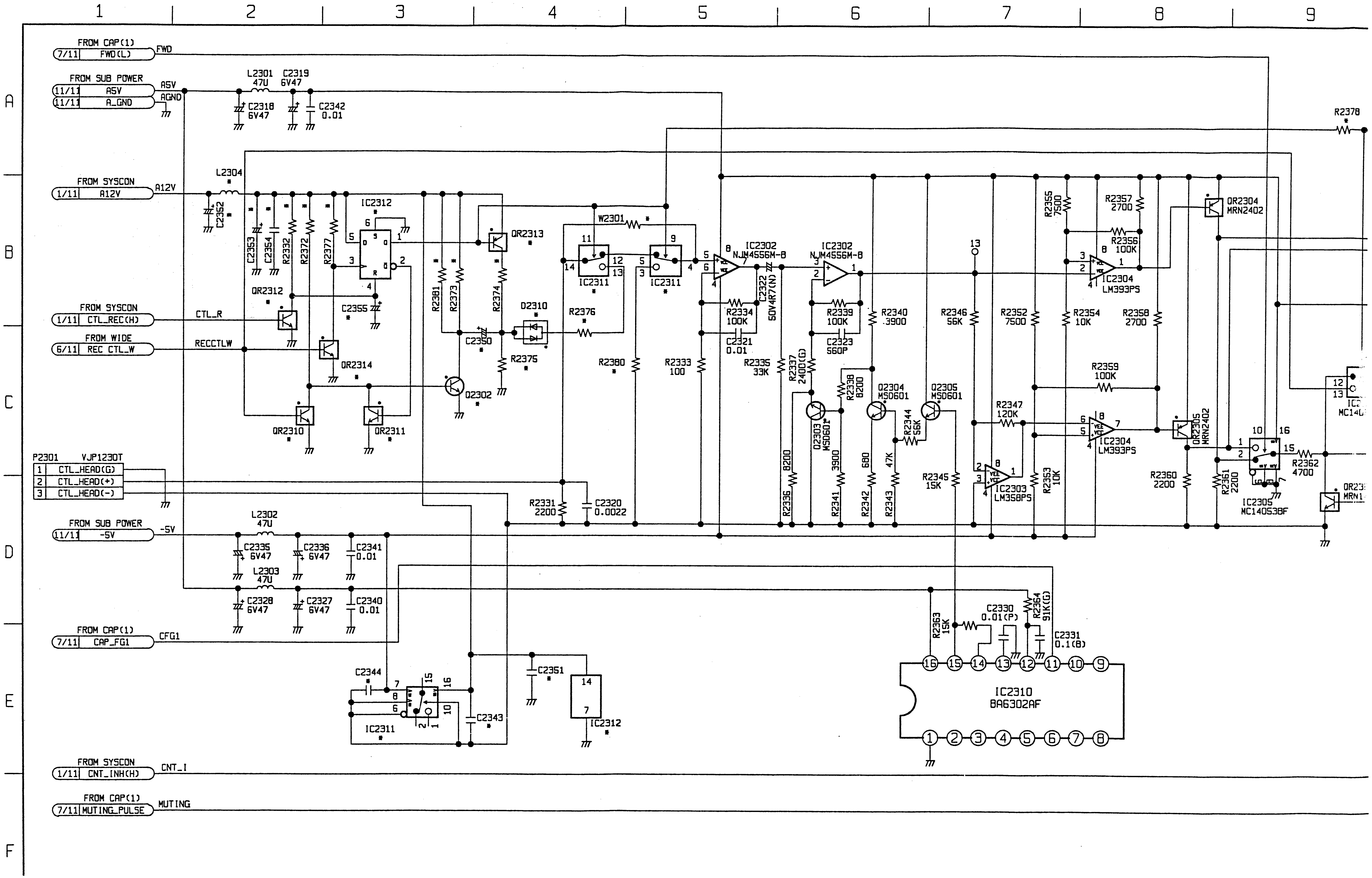
-INPUT SIGNAL

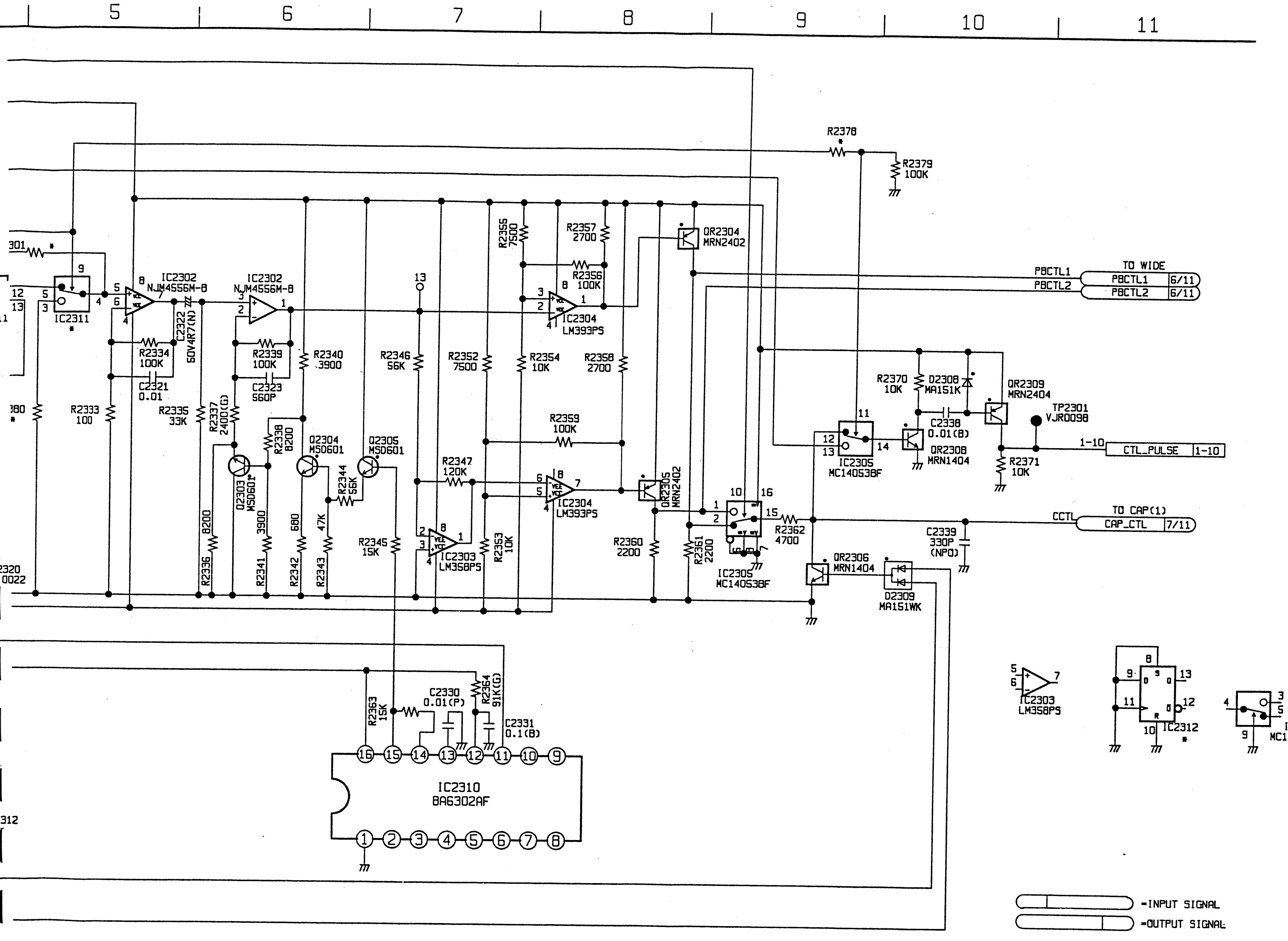
-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2000 Series.

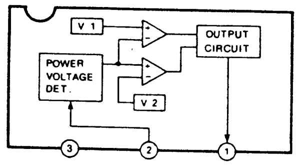
CTL AMP SCHEMATIC DIAGRAM 5/11 (E3: Page CBA-3)


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
FROM CAP(1)
7/11 FWD(L)
FWD
FROM SUB POWER
11/11 A5V
11/11 A_GND
A5V
AGND
L2301 47U
C2319 6V47
C2318 6V47
C2342 0.01
R2378
FROM SYSCON
1/11 A12V
A12V
L2304
C2352
C2353
C2354
R2332
R2372
R2377
IC2312
QR2313
W2301
IC2302 NJM4556M-8
C2322 50V4R7(N)
R2334 100K
C2321 0.01
R2339 100K
C2323 560P
R2340 .3900
IC2311
R2381
R2373
R2374
D2310
R2376
C2350
R2375
R2380
R2333 100
R2335 33K
R2337 2400(G)
R2338 8200
Q2303 MS0601
Q2304 MS0601
Q2305 MS0601
R2344 56K
R2346 56K
R2352 7500
R2354 10K
R2355 7500
R2357 2700
R2356 100K
R2358 2700
IC2304 LM393PS
QR2304 MRN2402
R2359 100K
R2347 120K
IC2303 LM358PS
QR2305 MRN2402
R2360 2200
R2361 2200
R2362 4700
IC2305 MC14053BF
QR23 MRN1
FROM SYSCON
1/11 CTL_REC(H)
CTL_R
QR2312
C2355
FROM WIDE
6/11 REC CTL_W
RECCTLW
QR2314
Q2302
QR2310
QR2311
P2301 VJP1230T
1 CTL_HEAD(G)
2 CTL_HEAD(+)
3 CTL_HEAD(-)
R2331 2200
C2320 0.0022
R2336 8200
R2341 3900
R2342 680
R2343 47K
R2345 15K
R2353 10K
FROM SUB POWER
11/11 -5V
-5V
L2302 47U
C2335 6V47
C2336 6V47
C2341 0.01
L2303 47U
C2328 6V47
C2327 6V47
C2340 0.01
R2363 15K
R2364 91K(G)
C2330 0.01(P)
C2331 0.1(B)
FROM CAP(1)
7/11 CAP_FG1
CFG1
C2344
IC2311
C2351
C2343
IC2312
IC2310 BA6302AF
FROM SYSCON
1/11 CNT_INH(H)
CNT_I
FROM CAP(1)
7/11 MUTING_PULSE
MUTING


5
6
7
8
9
10
11
IC2311
IC2302 NJM4556M-B
IC2302 NJM4556M-B
C2322 50V4R7(N)
R2334 100K
C2321 0.01
R2333 100
R2335 33K
R2337 2400(G)
R2339 100K
C2323 560P
R2340 .3900
R2338 8200
Q2303 M50601
Q2304 M50601
Q2305 M50601
R2344 56K
R2336 8200
R2341 3900
R2342 680
R2343 47K
R2345 15K
R2346 56K
R2347 120K
R2352 7500
R2353 10K
R2354 10K
R2355 7500
R2357 2700
R2356 100K
R2358 2700
R2359 100K
IC2303 LM358PS
IC2304 LM393PS
IC2304 LM393PS
QR2304 MRN2402
QR2305 MRN2402
R2360 2200
R2361 2200
IC2305 MC14053BF
R2362 4700
QR2306 MRN1404
D2309 MA151WK
C2339 330P (NPO)
R2378 *
R2379 100K
R2370 10K
D2308 MA151K
C2338 0.01(B)
QR2308 MRN1404
QR2309 MRN2404
TP2301 VJR0098
R2371 10K
IC2305 MC14053BF
PBCTL1
PBCTL2
TO WIDE
PBCTL1 6/11
PBCTL2 6/11
1-10
CTL_PULSE 1-10
CCTL
TO CAP(1)
CAP_CTL 7/11
C2330 0.01(P)
R2363 15K
R2364 91K(G)
C2331 0.1(B)
IC2310 BA6302AF
IC2303 LM358PS
IC2312
IC2305 MC14053BF

	AG-DS850	AG-DS840
C2343	0.01	———
C2444	0.01	———
C2350	16V47	———
C2351	0.01	———
C2352	16V47	———
C2353	16V47	———
C2354	0.01	———
C2355	50V1	———
D2310	MA153	———
IC2311	MC14053BF	———
IC2312	MC14013BF	———
L2304	47U	———
Q2302	MSD601	———
QR2310	MRN1403	———
QR2311	MRN1404	———
QR2312	MRN1404	———
QR2313	MRN2404	———
QR2314	MRN1404	———
R2332	68K	———
R2372	15K	———
R2373	1200(1/4W)	———
R2374	4700	———
R2375	5600	———
R2376	560	———
R2377	47K	———
R2378	150K	———
R2380	100	———
R2381	1200(1/4W)	———
W2301	———	0

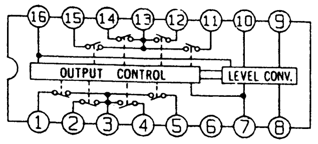
IC2002
MN1382-RTW


V1
OUTPUT CIRCUIT
POWER VOLTAGE DET.
V2
③
②
①

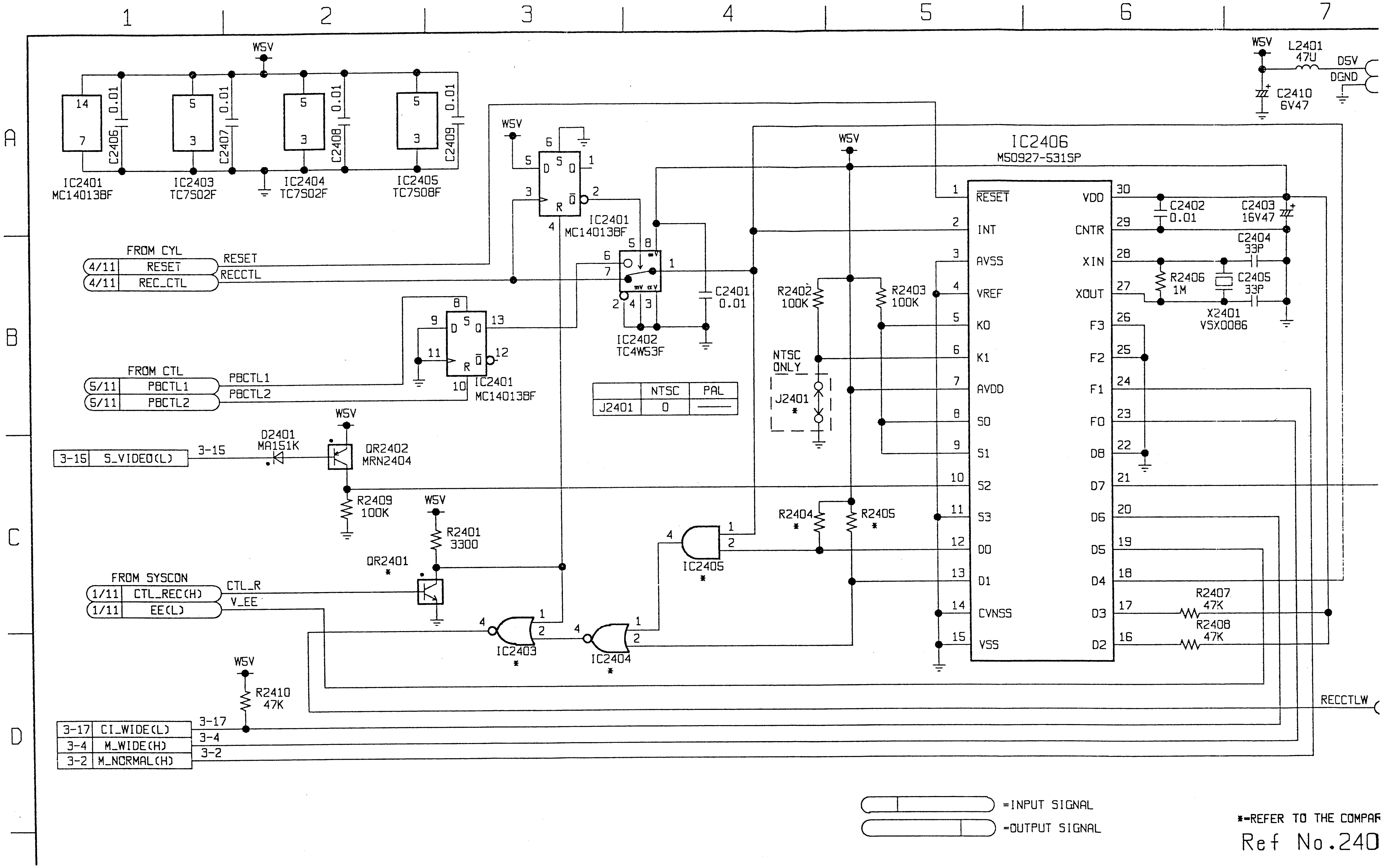
=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART

Ref No.2300 Series.

IC2004
MC14052BF


⑯ ⑮ ⑭ ⑬ ⑫ ⑪ ⑩ ⑨
OUTPUT CONTROL
LEVEL CONV.
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

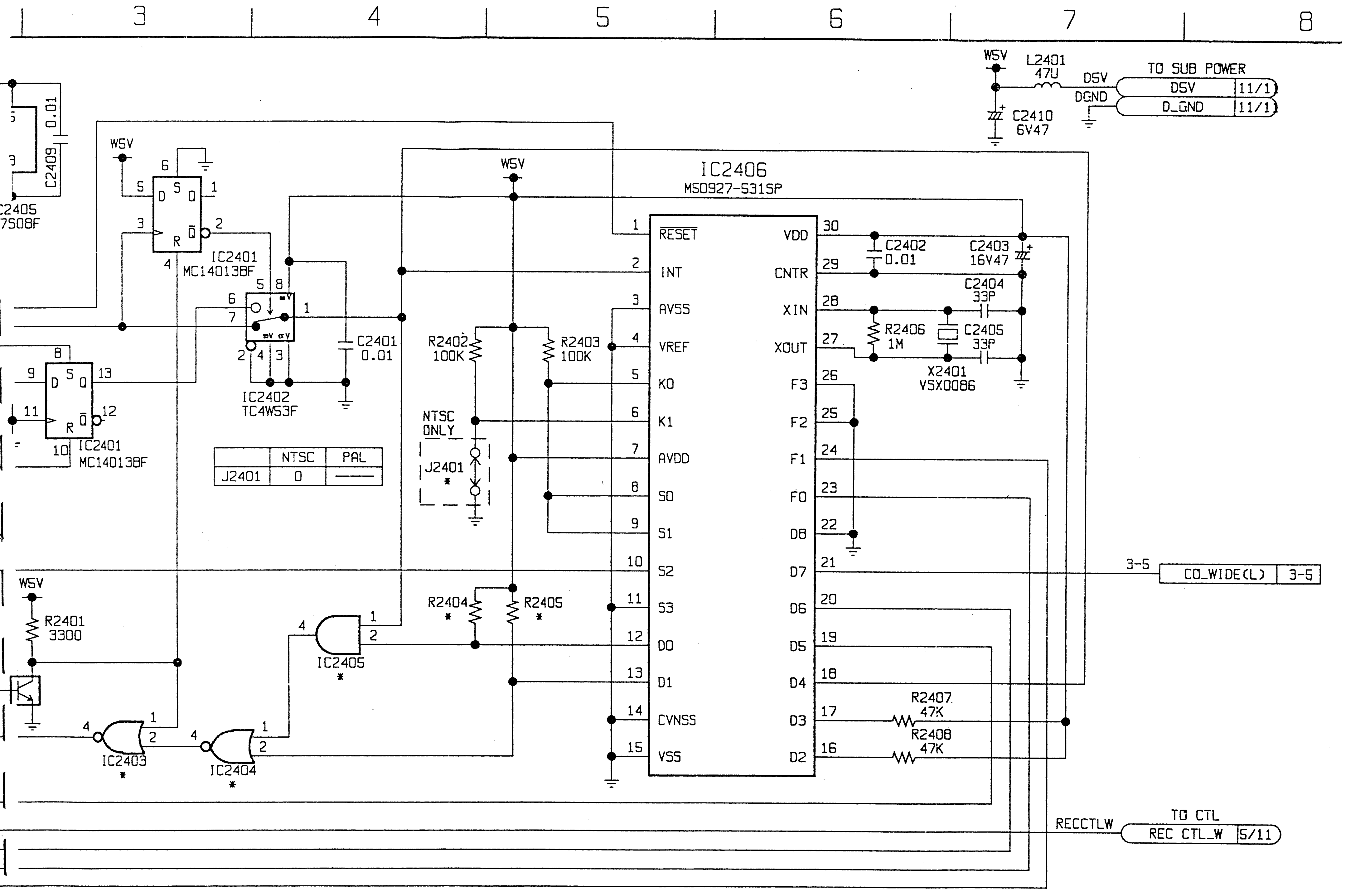
WIDE SCHEMATIC DIAGRAM 6/11 (E3: Page CBA-3)


1
2
3
4
5
6
7
A
B
C
D
WSV
14
7
0.01
C2406
IC2401
MC14013BF
5
3
0.01
C2407
IC2403
TC7S02F
0.01
C2408
IC2404
TC7S02F
0.01
C2409
IC2405
TC7S08F
WSV
L2401
47U
DSV
DGND
C2410
6V47
IC2406
M50927-531SP
D
S
Q
R
Q̄
IC2401
MC14013BF
FROM CYL
4/11 RESET
4/11 REC_CTL
RESET
RECCTL
IC2402
TC4W53F
C2401
0.01
R2402
100K
R2403
100K
R2406
1M
X2401
VSX0086
C2402
0.01
C2403
16V47
C2404
33P
C2405
33P
FROM CTL
5/11 PBCTL1
5/11 PBCTL2
PBCTL1
PBCTL2
NTSC
ONLY
J2401
*
3-15 S_VIDEO(L)
3-15
D2401
MA151K
QR2402
MRN2404
R2409
100K
R2401
3300
QR2401
*
FROM SYSCON
1/11 CTL_REC(H)
1/11 EE(L)
CTL_R
V_EE
IC2403
*
IC2404
*
IC2405
*
R2404
*
R2405
*
RESET
INT
AVSS
VREF
K0
K1
AVDD
S0
S1
S2
S3
D0
D1
CVNSS
VSS
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
R2407
47K
R2408
47K
RECCTLW
WSV
R2410
47K
3-17 CI_WIDE(L)
3-4 M_WIDE(H)
3-2 M_NORMAL(H)
3-17
3-4
3-2
=INPUT SIGNAL
=OUTPUT SIGNAL

	NTSC	PAL
J2401	0	——

*-REFER TO THE COMPAR

Ref No.240


3
4
5
6
7
8
W5V
L2401
47U
D5V
DGND
TO SUB POWER
D5V
D_GND
11/1
C2410
6V47
IC2406
M50927-531SP
RESET
INT
AVSS
VREF
K0
K1
AVDD
S0
S1
S2
S3
D0
D1
CVNSS
VSS
VDD
CNTR
XIN
XOUT
F3
F2
F1
F0
D8
D7
D6
D5
D4
D3
D2
C2402
0.01
C2403
16V47
C2404
33P
C2405
33P
R2406
1M
X2401
VSX0086
R2402
100K
R2403
100K
NTSC ONLY
J2401
R2404
R2405
R2407
47K
R2408
47K
C2409
0.01
IC2401
MC14013BF
IC2402
TC4W53F
C2401
0.01
J2401 | NTSC 0 | PAL —
R2401
3300
IC2403
IC2404
IC2405
TC7S08F
3-5
CO_WIDE(L)
RECCTLW
TO CTL
REC CTL_W
5/11

=INPUT SIGNAL

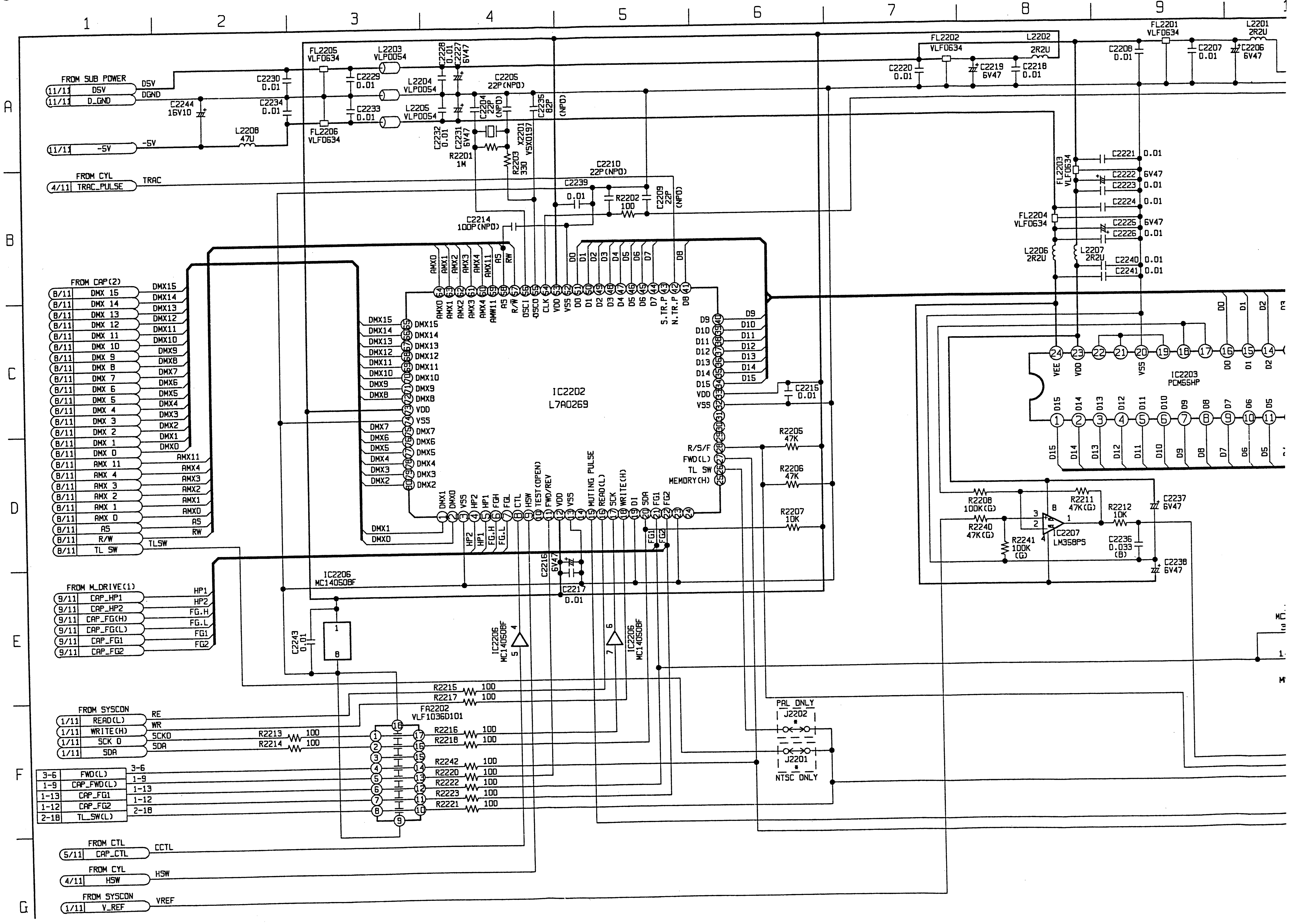
=OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.2400 Series.

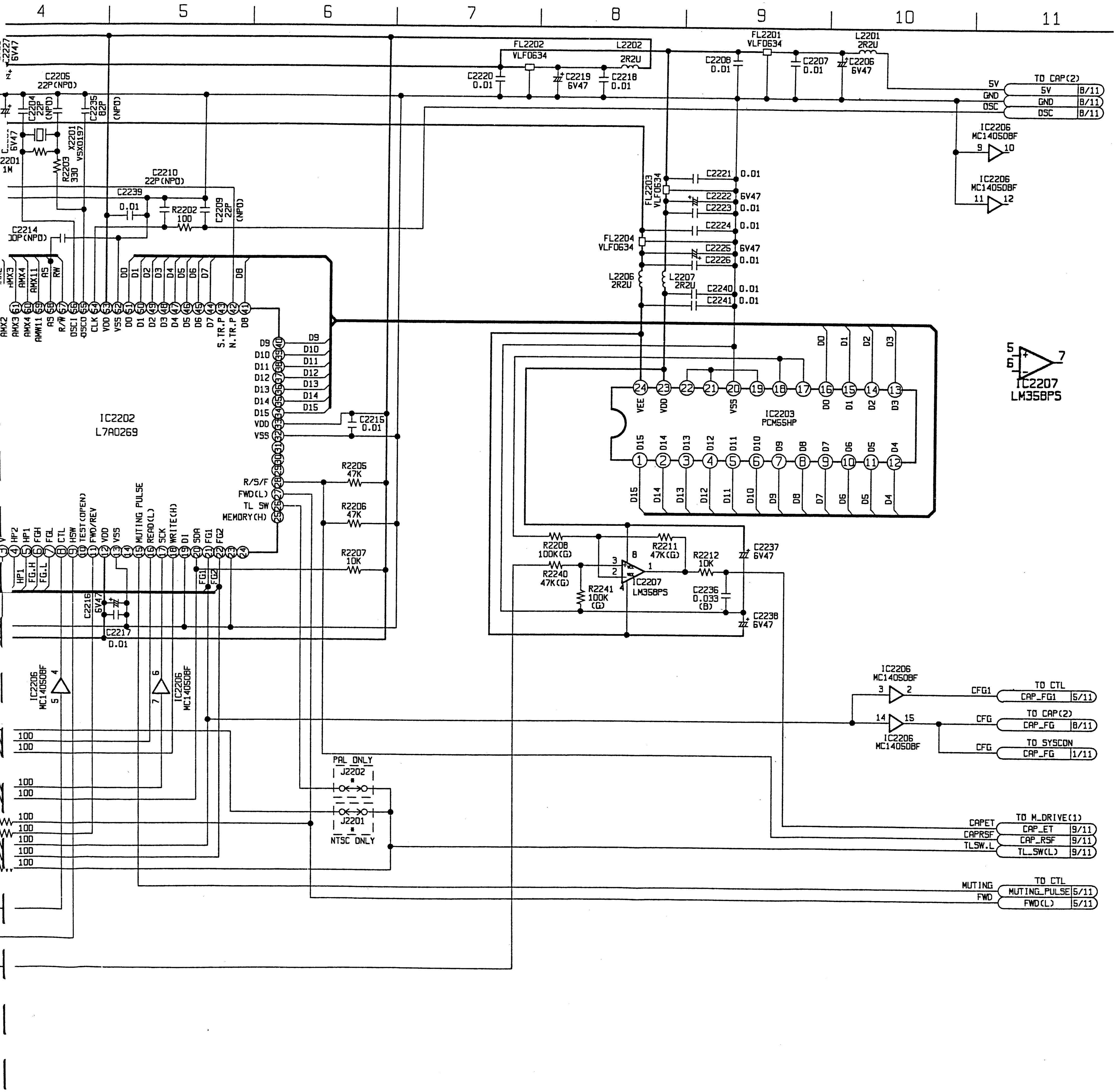
	AG-DS850	AG-DS840
J2401	0	0
IC2403	TC7S02F	———
IC2404	TC7S02F	———
IC2405	TC7S08F	———
QR2401	MRN1404	———
R2404	47K	———
R2405	47K	———

CAPSTAN SERVO-1 SCHEMATIC DIAGRAM 7/11 (E3: Page CBA-3)



1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
FROM SUB POWER
11/11 D5V
11/11 D_GND
11/11 -5V
D5V
DGND
-5V
C2244 16V10
L2208 47U
C2230 0.01
C2234 0.01
FL2205 VLF0634
FL2206 VLF0634
C2229 0.01
C2233 0.01
L2203 VLP0054
L2204 VLP0054
L2205 VLP0054
C2228 0.01
C2227 6V47
C2232 0.01
C2231 6V47
C2205 22P(NPO)
C2204 22P (NPO)
C2235 82P (NPO)
X2201 VSX0197
R2201 1M
R2203 330
FROM CYL
4/11 TRAC_PULSE
TRAC
C2210 22P(NPO)
C2239 0.01
R2202 100
C2209 22P (NPO)
C2214 100P(NPO)
FROM CAP(2)
8/11 DMX 15
8/11 DMX 14
8/11 DMX 13
8/11 DMX 12
8/11 DMX 11
8/11 DMX 10
8/11 DMX 9
8/11 DMX 8
8/11 DMX 7
8/11 DMX 6
8/11 DMX 5
8/11 DMX 4
8/11 DMX 3
8/11 DMX 2
8/11 DMX 1
8/11 DMX 0
8/11 AMX 11
8/11 AMX 4
8/11 AMX 3
8/11 AMX 2
8/11 AMX 1
8/11 AMX 0
8/11 A5
8/11 R/W
8/11 TL SW
TLSW
IC2202 L7A0269
AMX0 AMX1 AMX2 AMX3 AMX4 AMX11 A5 R/W OSCI OSCO CLK VDD VSS D0 D1 D2 D3 D4 D5 D6 D7 S.TR.P N.TR.P D8
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 VDD VSS DMX7 DMX6 DMX5 DMX4 DMX3 DMX2
D9 D10 D11 D12 D13 D14 D15 VDD VSS R/S/F FWD(L) TL SW MEMORY(H)
DMX1 DMX0 VSS HP2 HP1 FGH FGL CTL HSW TEST(OPEN) FWD/REV VDD VSS MUTING PULSE READ(L) SCK WRITE(H) D1 SDA FG1 FG2
C2215 0.01
R2205 47K
R2206 47K
R2207 10K
C2216 6V47
C2217 0.01
IC2206 MC14050BF
FROM M_DRIVE(1)
9/11 CAP_HP1
9/11 CAP_HP2
9/11 CAP_FG(H)
9/11 CAP_FG(L)
9/11 CAP_FG1
9/11 CAP_FG2
HP1 HP2 FG.H FG.L FG1 FG2
C2243 0.01
R2215 100
R2217 100
FA2202 VLF1036D101
FROM SYSCON
1/11 READ(L)
1/11 WRITE(H)
1/11 SCK 0
1/11 SDA
RE WR SCKD SDA
R2213 100
R2214 100
R2216 100
R2218 100
R2242 100
R2220 100
R2222 100
R2223 100
R2221 100
3-6 FWD(L)
1-9 CAP_FWD(L)
1-13 CAP_FG1
1-12 CAP_FG2
2-18 TL_SW(L)
PAL ONLY J2202
J2201 NTSC ONLY
FROM CTL
5/11 CAP_CTL
CCTL
FROM CYL
4/11 HSW
HSW
FROM SYSCON
1/11 V_REF
VREF
FL2202 VLF0634
L2202 2R2U
C2220 0.01
C2219 6V47
C2218 0.01
FL2201 VLF0634
C2208 0.01
C2207 0.01
C2206 6V47
L2201 2R2U
FL2203 VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204 VLF0634
C2225 6V47
C2226 0.01
L2206 2R2U
L2207 2R2U
C2240 0.01
C2241 0.01
IC2203 PCM56HP
VEE VDD VSS D0 D1 D2
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5
R2208 100K(G)
R2240 47K(G)
R2241 100K (G)
R2211 47K(G)
R2212 10K
IC2207 LM358PS
C2236 0.033 (B)
C2237 6V47
C2238 6V47

(E3: Page CBA-3)



4
5
6
7
8
9
10
11
FL2202 VLF0634
L2202 2R2U
C2220 0.01
C2219 6V47
C2218 0.01
FL2201 VLF0634
L2201 2R2U
C2208 0.01
C2207 0.01
C2206 6V47
C2205 22P(NPO)
C2204 22P (NPO)
C2235 82P (NPO)
X2201 VSX0197
R2203 330
C2210 22P(NPO)
C2239 0.01
R2202 100
C2209 22P (NPO)
C2214 30P(NPO)
5V
GND
OSC
TO CAP(2)
5V 8/11
GND 8/11
OSC 8/11
IC2206 MC14050BF
9 10
11 12
FL2203 VLF0634
C2221 0.01
C2222 6V47
C2223 0.01
C2224 0.01
FL2204 VLF0634
C2225 6V47
C2226 0.01
L2206 2R2U
L2207 2R2U
C2240 0.01
C2241 0.01
IC2202 L7A0269
AMX2 AMX3 AMX4 AMX11 A5 R/W OSCI OSCO CLK VDD VSS D0 D1 D2 D3 D4 D5 D6 D7 S.TR.P N.TR.P D8
D9 D10 D11 D12 D13 D14 D15 VDD VSS
C2215 0.01
R/S/F
FWD(L)
TL SW
MEMORY(H)
R2205 47K
R2206 47K
R2207 10K
HP2 HP1 FGH FGL CTL HSW TEST(OPEN) FWD/REV VDD VSS MUTING PULSE READ(L) SCK WRITE(H) DI SDA FG1 FG2
HP1 FG.H FG.L FG1 FG2
C2216 6V47
C2217 0.01
IC2203 PCM55HP
VEE VDD VSS D0 D1 D2 D3
D15 D14 D13 D12 D11 D10 D9 D8 D7 D6 D5 D4
R2208 100K(G)
R2211 47K(G)
R2240 47K(G)
R2241 100K (G)
IC2207 LM358PS
R2212 10K
C2236 0.033 (B)
C2237 6V47
C2238 6V47
IC2207 LM358PS
5 6 7
IC2206 MC14050BF
100
PAL ONLY
J2202 *
J2201 *
NTSC ONLY
CFG1
CFG
TO CTL
CAP_FG1 5/11
TO CAP(2)
CAP_FG 8/11
TO SYSCON
CAP_FG 1/11
CAPET
CAPRSF
TLSW.L
TO M_DRIVE(1)
CAP_ET 9/11
CAP_RSF 9/11
TL_SW(L) 9/11
MUTING
FWD
TO CTL
MUTING_PULSE 5/11
FWD(L) 5/11

	AG-DS850	AG-DS840
J2201	0	0
J2202	———	———

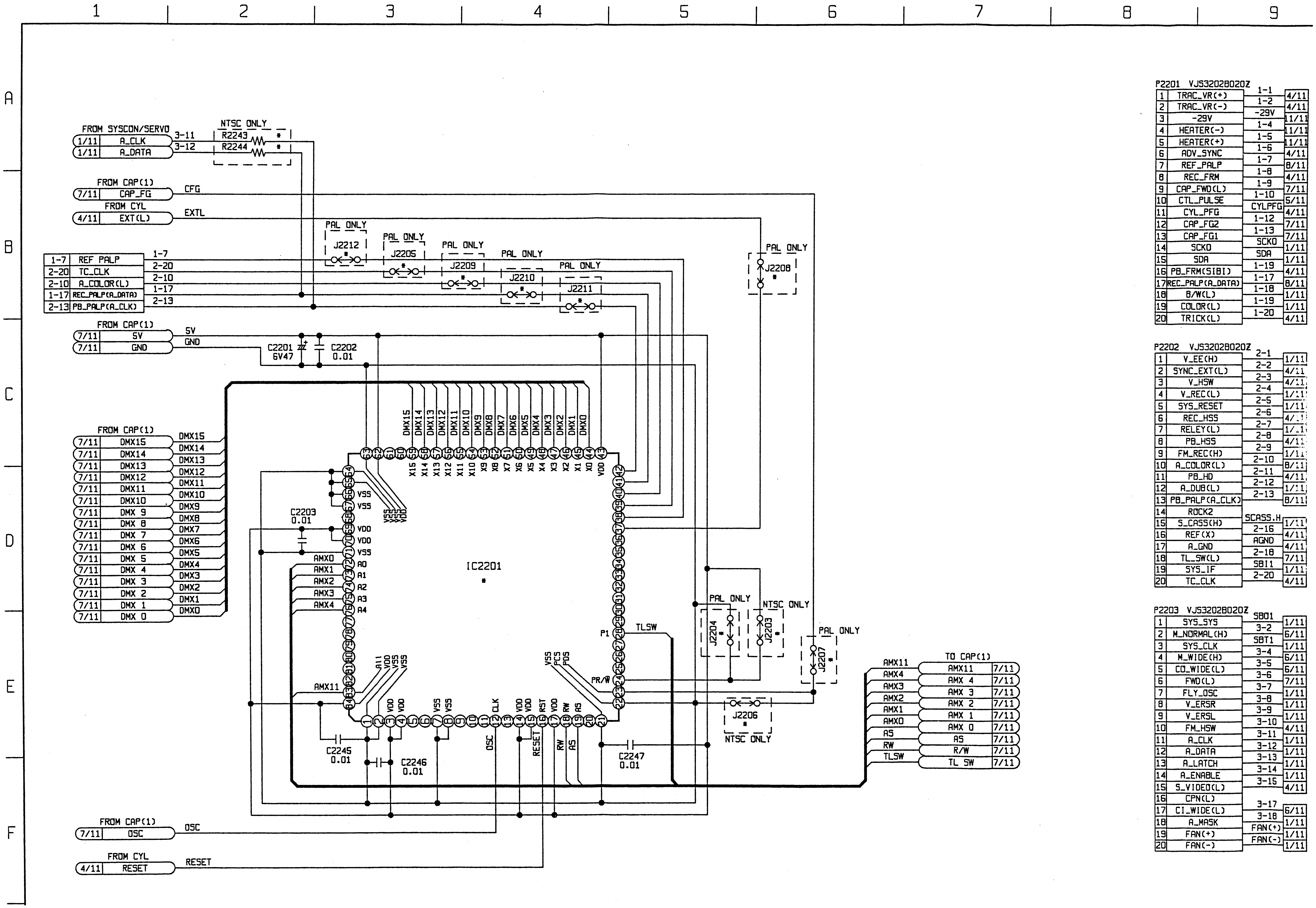
⊂⊃ -INPUT SIGNAL

⊂⊃ -OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

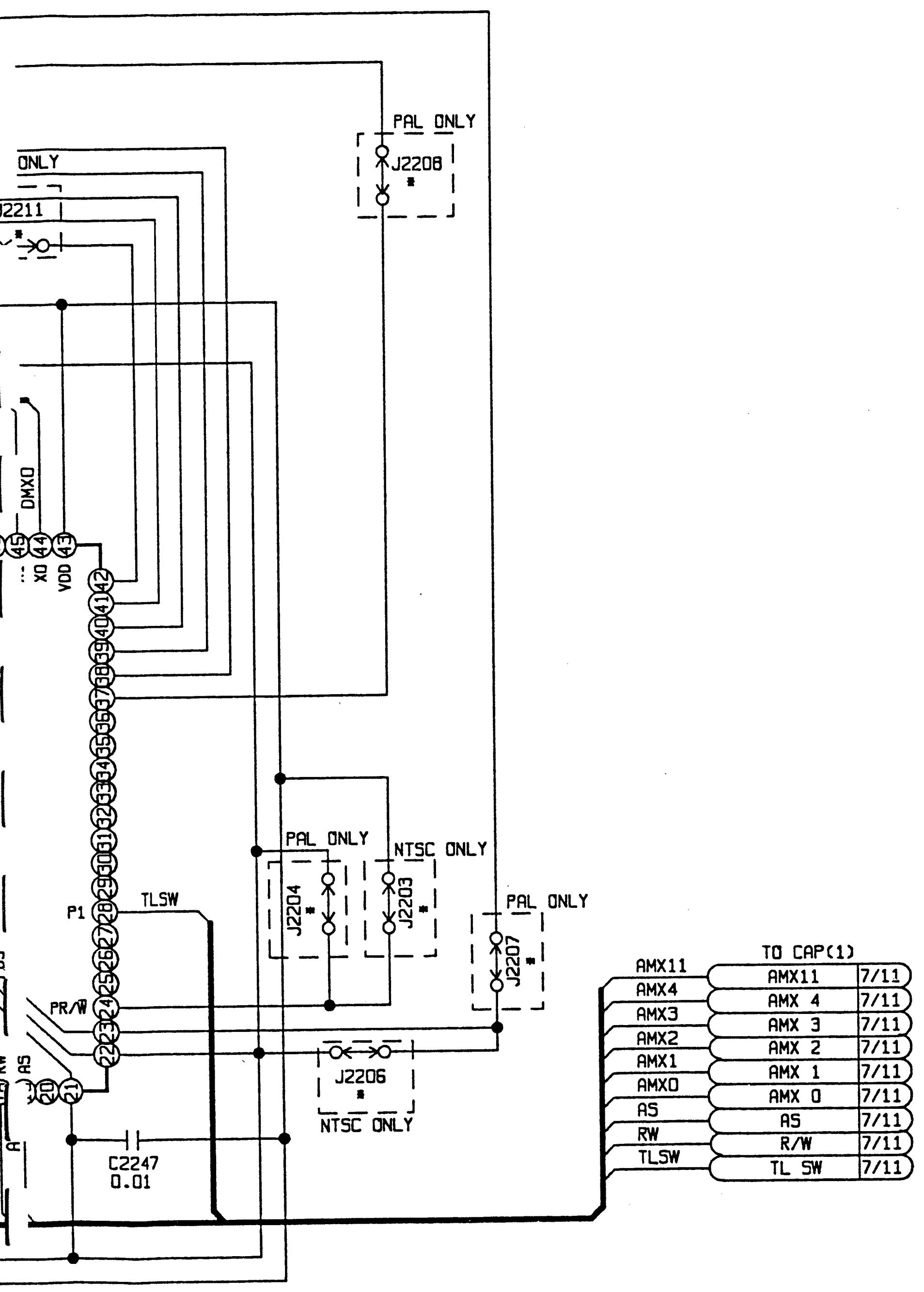
Ref No. 2200 Serise.

CAPSTAN SERVO-2 SCHEMATIC DIAGRAM 8/11 (E3: Page CBA-3)


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
FROM SYSCON/SERVO
1/11 A_CLK 3-11
1/11 A_DATA 3-12
NTSC ONLY
R2243 *
R2244 *
FROM CAP(1)
7/11 CAP_FG CFG
FROM CYL
4/11 EXT(L) EXTL
1-7 REF PALP 1-7
2-20 TC_CLK 2-20
2-10 A_COLOR(L) 2-10
1-17 REC_PALP(A_DATA) 1-17
2-13 PB_PALP(A_CLK) 2-13
PAL ONLY J2212 *
PAL ONLY J2205 *
PAL ONLY J2209 *
PAL ONLY J2210 *
PAL ONLY J2211 *
PAL ONLY J2208 *
FROM CAP(1)
7/11 SV SV
7/11 GND GND
C2201 6V47
C2202 0.01
FROM CAP(1)
7/11 DMX15 DMX15
7/11 DMX14 DMX14
7/11 DMX13 DMX13
7/11 DMX12 DMX12
7/11 DMX11 DMX11
7/11 DMX10 DMX10
7/11 DMX 9 DMX9
7/11 DMX 8 DMX8
7/11 DMX 7 DMX7
7/11 DMX 6 DMX6
7/11 DMX 5 DMX5
7/11 DMX 4 DMX4
7/11 DMX 3 DMX3
7/11 DMX 2 DMX2
7/11 DMX 1 DMX1
7/11 DMX 0 DMX0
DMX15 DMX14 DMX13 DMX12 DMX11 DMX10 DMX9 DMX8 DMX7 DMX6 DMX5 DMX4 DMX3 DMX2 DMX1 DMX0
X15 X14 X13 X12 X11 X10 X9 X8 X7 X6 X5 X4 X3 X2 X1 X0 VDD
VSS VSS VSS VDD
C2203 0.01
VSS VSS VDD VDD VSS
AMX0 A0
AMX1 A1
AMX2 A2
AMX3 A3
AMX4 A4
IC2201 *
A11 VDD VSS VSS
AMX11
VDD VDD VSS VSS CLK VDD VDD RST VDD RW AS
OSC RESET RW AS
VSS PCS PDS
P1 TLSW
PR/W
C2245 0.01
C2246 0.01
C2247 0.01
PAL ONLY J2204 *
NTSC ONLY J2203 *
PAL ONLY J2207 *
J2206 * NTSC ONLY
TO CAP(1)
AMX11 AMX11 7/11
AMX4 AMX 4 7/11
AMX3 AMX 3 7/11
AMX2 AMX 2 7/11
AMX1 AMX 1 7/11
AMX0 AMX 0 7/11
AS AS 7/11
RW R/W 7/11
TLSW TL SW 7/11
FROM CAP(1)
7/11 OSC OSC
FROM CYL
4/11 RESET RESET
P2201 VJS3202B020Z
1 TRAC_VR(+) 1-1 4/11
2 TRAC_VR(-) 1-2 4/11
3 -29V -29V 11/11
4 HEATER(-) 1-4 11/11
5 HEATER(+) 1-5 11/11
6 ADV_SYNC 1-6 4/11
7 REF_PALP 1-7 8/11
8 REC_FRM 1-8 4/11
9 CAP_FWD(L) 1-9 7/11
10 CTL_PULSE 1-10 5/11
11 CYL_PFG CYLPFG 4/11
12 CAP_FG2 1-12 7/11
13 CAP_FG1 1-13 7/11
14 SCKO SCKO 1/11
15 SDA SDA 1/11
16 PB_FRM(SIBI) 1-19 4/11
17 REC_PALP(A_DATA) 1-17 8/11
18 B/W(L) 1-18 1/11
19 COLOR(L) 1-19 1/11
20 TRICK(L) 1-20 4/11
P2202 VJS3202B020Z
1 V_EE(H) 2-1 1/11
2 SYNC_EXT(L) 2-2 4/11
3 V_HSW 2-3 4/11
4 V_REC(L) 2-4 1/11
5 SYS_RESET 2-5 1/11
6 REC_HSS 2-6 4/11
7 RELEY(L) 2-7 1/11
8 PB_HSS 2-8 4/11
9 FM_REC(H) 2-9 1/11
10 A_COLOR(L) 2-10 8/11
11 PB_HD 2-11 4/11
12 A_DUB(L) 2-12 1/11
13 PB_PALP(A_CLK) 2-13 8/11
14 ROCK2
15 S_CASS(H) SCASS.H 1/11
16 REF(X) 2-16 4/11
17 A_GND AGND 4/11
18 TL_SW(L) 2-18 7/11
19 SYS_IF SBI1 1/11
20 TC_CLK 2-20 4/11
P2203 VJS3202B020Z
1 SYS_SYS SB01 1/11
2 M_NORMAL(H) 3-2 6/11
3 SYS_CLK SBT1 1/11
4 M_WIDE(H) 3-4 6/11
5 CO_WIDE(L) 3-5 6/11
6 FWD(L) 3-6 7/11
7 FLY_OSC 3-7 1/11
8 V_ERSR 3-8 1/11
9 V_ERSL 3-9 1/11
10 FM_HSW 3-10 4/11
11 A_CLK 3-11 1/11
12 A_DATA 3-12 1/11
13 A_LATCH 3-13 1/11
14 A_ENABLE 3-14 1/11
15 S_VIDEO(L) 3-15 4/11
16 CPN(L)
17 CI_WIDE(L) 3-17 6/11
18 A_MASK 3-18 1/11
19 FAN(+) FAN(+) 1/11
20 FAN(-) FAN(-) 1/11

BA-3)

5 | 6 | 7 | 8 | 9 | 10 | 11


ONLY
J2211
PAL ONLY
J2208
DMXO
45
44
43
XO
VDD
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
21
20
P1
TLSW
PR/W
AS
RW
PAL ONLY
J2204
NTSC ONLY
J2203
PAL ONLY
J2207
J2206
NTSC ONLY
C2247
0.01
AMX11
AMX4
AMX3
AMX2
AMX1
AMXO
AS
RW
TLSW
TO CAP(1)
AMX11 7/11
AMX 4 7/11
AMX 3 7/11
AMX 2 7/11
AMX 1 7/11
AMX 0 7/11
AS 7/11
R/W 7/11
TL SW 7/11

P2201 VJS32028020Z

1	TRAC_VR(+)	1-1	4/11
2	TRAC_VR(-)	1-2	4/11
3	-29V	-29V	11/11
4	HEATER(-)	1-4	11/11
5	HEATER(+)	1-5	11/11
6	ADV_SYNC	1-6	4/11
7	REF_PALP	1-7	8/11
8	REC_FRM	1-8	4/11
9	CAP_FWD(L)	1-9	7/11
10	CTL_PULSE	1-10	5/11
11	CYL_PFG	CYLPFG	4/11
12	CAP_FG2	1-12	7/11
13	CAP_FG1	1-13	7/11
14	SCKO	SCKO	1/11
15	SDA	SDA	1/11
16	PB_FRM(SIBI)	1-19	4/11
17	REC_PALP(A_DATA)	1-17	8/11
18	B/W(L)	1-18	1/11
19	COLOR(L)	1-19	1/11
20	TRICK(L)	1-20	4/11

P2202 VJS32028020Z

1	V_EE(H)	2-1	1/11
2	SYNC_EXT(L)	2-2	4/11
3	V_HSW	2-3	4/11
4	V_REC(L)	2-4	1/11
5	SYS_RESET	2-5	1/11
6	REC_HSS	2-6	4/11
7	RELEY(L)	2-7	1/11
8	PB_HSS	2-8	4/11
9	FM_REC(H)	2-9	1/11
10	A_COLOR(L)	2-10	8/11
11	PB_HD	2-11	4/11
12	A_DUB(L)	2-12	1/11
13	PB_PALP(A_CLK)	2-13	8/11
14	ROCK2		
15	S_CASS(H)	SCASS.H	1/11
16	REF(X)	2-16	4/11
17	A_GND	AGND	4/11
18	TL_SW(L)	2-18	7/11
19	SYS_IF	SBI1	1/11
20	TC_CLK	2-20	4/11

P2203 VJS32028020Z

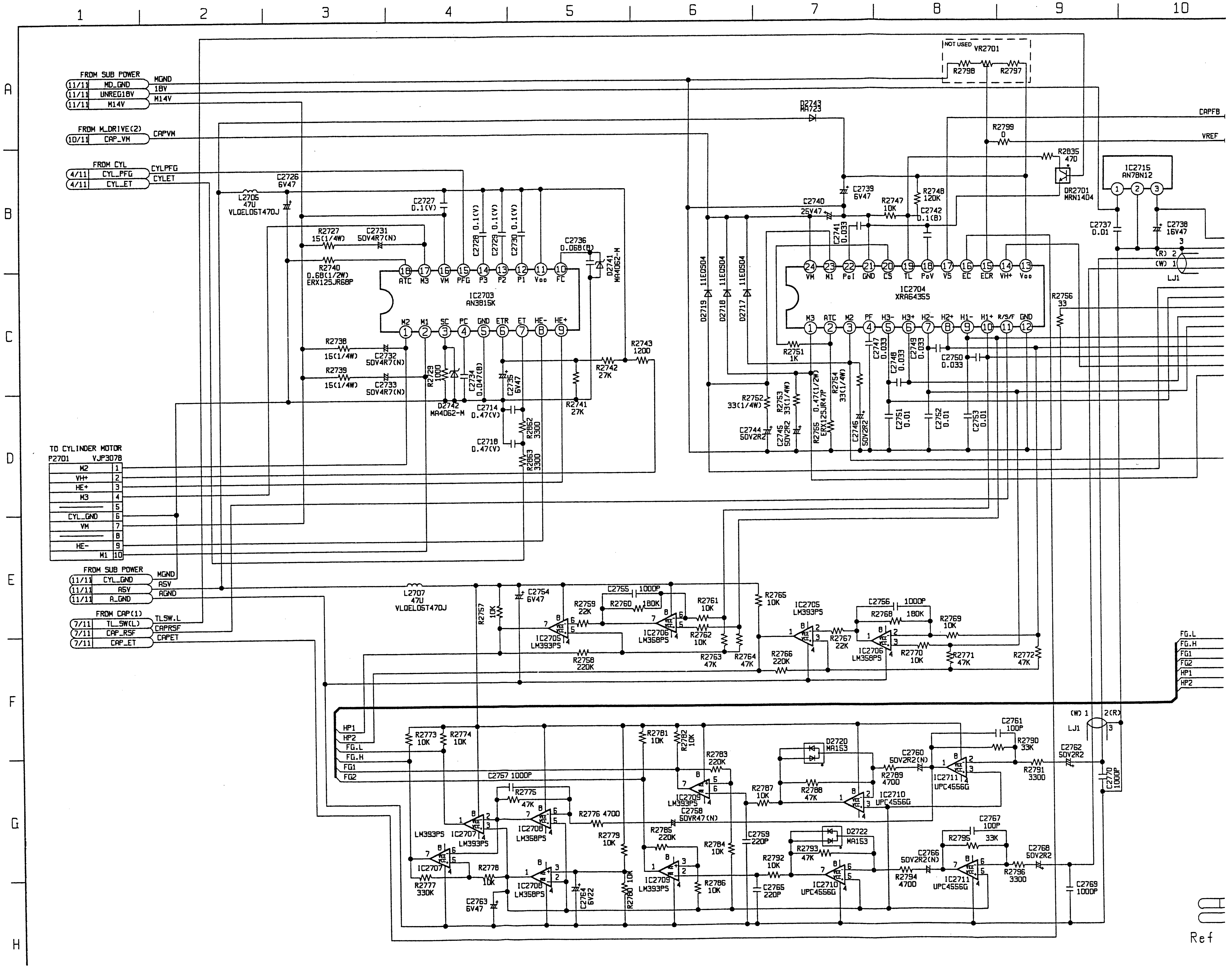
1	SYS_SYS	SB01	1/11
2	M_NORMAL(H)	3-2	6/11
3	SYS_CLK	SBT1	1/11
4	M_WIDE(H)	3-4	6/11
5	CO_WIDE(L)	3-5	6/11
6	FWD(L)	3-6	7/11
7	FLY_OSC	3-7	1/11
8	V_ERSR	3-8	1/11
9	V_ERSL	3-9	1/11
10	FM_HSW	3-10	4/11
11	A_CLK	3-11	1/11
12	A_DATA	3-12	1/11
13	A_LATCH	3-13	1/11
14	A_ENABLE	3-14	1/11
15	S_VIDEO(L)	3-15	4/11
16	CPN(L)		
17	CI_WIDE(L)	3-17	6/11
18	A_MASK	3-18	1/11
19	FAN(+)	FAN(+)	1/11
20	FAN(-)	FAN(-)	1/11

	AG-DS850	AG-DS840
IC2201	MN19041VSWA	MN19041VSWA
J2203	0	0
J2204	—	—
J2205	—	—
J2206	0	0
J2207	—	—
J2208	—	—
J2209	—	—
J2210	—	—
J2211	—	—
J2212	—	—
R2243	0	0
R2244	0	0

=INPUT SIGNAL
=OUTPUT SIGNAL
*=REFER TO THE COMPARISON CHART

Ref No.2200 Series.

MOTER DRIVE-1 SCHEMATIC DIAGRAM 9/11 (E3: Page CBA-3)


1
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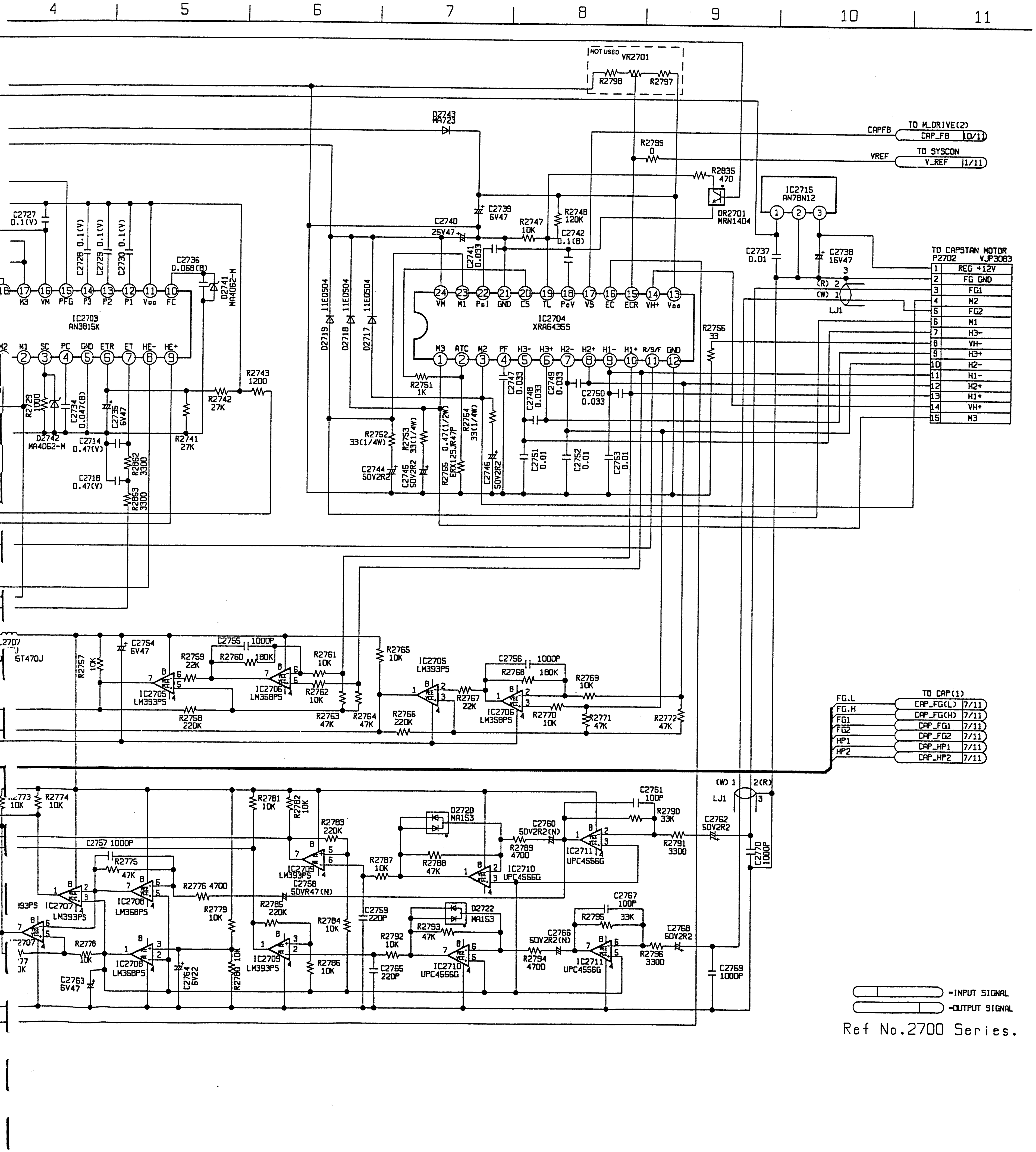
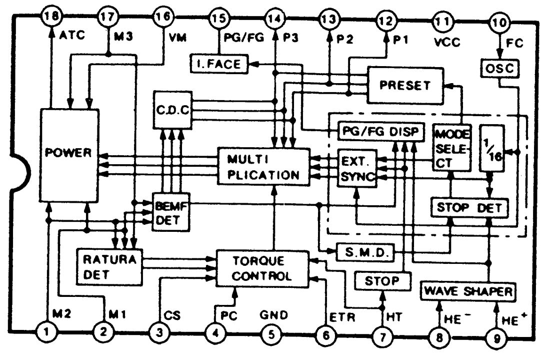
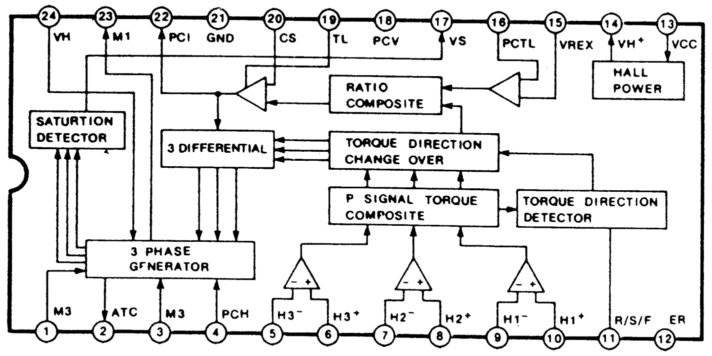
7
8
9
10
A
B
C
D
E
F
G
H
FROM SUB POWER
11/11 MD_GND
11/11 UNREG18V
11/11 M14V
MGND
18V
M14V
FROM M_DRIVE(2)
10/11 CAP_VM
CAPVM
FROM CYL
4/11 CYL_PFG
4/11 CYL_ET
CYLPFG
CYLET
L2705
47U
VLOEL05T470J
C2726
6V47
C2727
0.1(V)
R2727
15(1/4W)
C2731
50V4R7(N)
R2740
0.68(1/2W)
ERX12SJR68P
C2728 0.1(V)
C2729 0.1(V)
C2730 0.1(V)
C2736
0.068(B)
D2741
MA4062-H
ATC
M3
VM
PFG
P3
P2
P1
Vcc
FC
IC2703
AN3815K
M2
M1
SC
PC
GND
ETR
ET
HE-
HE+
R2738
15(1/4W)
C2732
50V4R7(N)
R2739
15(1/4W)
C2733
50V4R7(N)
R2729
1000
C2734
0.047(B)
C2735
6V47
D2742
MA4062-M
C2714
0.47(V)
C2718
0.47(V)
R2862
3300
R2863
3300
R2742
27K
R2743
1200
R2741
27K
TO CYLINDER MOTOR
P2701
VJP3078
M2
VH+
HE+
M3
CYL_GND
VM
HE-
M1
NOT USED
VR2701
R2798
R2797
D2743
MA723
CAPFB
VREF
R2799
0
R2835
470
C2739
6V47
C2740
25V47
R2747
10K
R2748
120K
C2742
0.1(B)
C2741
0.033
DR2701
MRN1404
IC2715
AN78N12
C2737
0.01
C2738
16V47
(R) 2
(W) 1
3
LJ1
D2719 11EQS04
D2718 11EQS04
D2717 11EQS04
VM
M1
Pol
GND
CS
TL
PoV
VS
EC
ECR
VH+
Vcc
IC2704
XRA6435S
M3
ATC
M2
PF
H3-
H3+
H2-
H2+
H1-
H1+
R/S/F
GND
R2756
33
R2751
1K
C2747
0.033
C2748
0.033
C2749
0.033
C2750
0.033
R2752
33(1/4W)
R2753
33(1/4W)
R2754
33(1/4W)
R2755
0.47(1/2W)
ERX12SJR47P
C2744
50V2R2
C2745
50V2R2
C2746
50V2R2
C2751
0.01
C2752
0.01
C2753
0.01
FROM SUB POWER
11/11 CYL_GND
11/11 A5V
11/11 A_GND
MGND
A5V
AGND
FROM CAP(1)
7/11 TL_SW(L)
7/11 CAP_RSF
7/11 CAP_ET
TLSW.L
CAPRSF
CAPET
L2707
47U
VLOEL05T470J
R2757
10K
C2754
6V47
C2755
1000P
R2760
180K
R2759
22K
IC2705
LM393PS
IC2706
LM358PS
R2758
220K
R2761
10K
R2762
10K
R2763
47K
R2764
47K
R2765
10K
IC2705
LM393PS
C2756
1000P
R2768
180K
R2769
10K
R2766
220K
R2767
22K
IC2706
LM358PS
R2770
10K
R2771
47K
R2772
47K
FG.L
FG.H
FG1
FG2
HP1
HP2
HP1
HP2
FG.L
FG.H
FG1
FG2
R2773
10K
R2774
10K
C2757 1000P
C2775
R2775
47K
R2776 4700
IC2707
LM393PS
IC2708
LM358PS
R2778
10K
R2777
330K
C2763
6V47
IC2708
LM358PS
C2764
6V22
R2779
10K
R2780
10K
R2781
10K
R2782
10K
R2783
220K
IC2709
LM393PS
C2758
50VR47(N)
R2785
220K
R2784
10K
R2786
10K
IC2709
LM393PS
C2759
220P
C2765
220P
R2787
10K
R2788
47K
D2720
MA153
C2760
50V2R2(N)
R2789
4700
IC2710
UPC4556G
IC2711
UPC4556G
C2761
100P
R2790
33K
R2791
3300
C2762
50V2R2
(W) 1
2(R)
LJ1
3
C2770
1000P
R2792
10K
R2793
47K
D2722
MA153
IC2710
UPC4556G
C2766
50V2R2(N)
R2794
4700
C2767
100P
R2795
33K
IC2711
UPC4556G
R2796
3300
C2768
50V2R2
C2769
1000P
Ref


4
5
6
7
8
9
10
11
NOT USED VR2701
R2798
R2797
D2743 MA723
R2799 0
R2835 470
QR2701 MRN1404
CAPFB
TO M_DRIVE(2)
CAP_FB 10/11
VREF
TO SYSCON
V_REF 1/11
IC2715 AN78N12
C2737 0.01
C2738 16V47
TO CAPSTAN MOTOR
P2702 VJP3083
1 REG +12V
2 FG GND
3 FG1
4 M2
5 FG2
6 M1
7 H3-
8 VH-
9 H3+
10 H2-
11 H1-
12 H2+
13 H1+
14 VH+
15 M3
LJ1
C2739 6V47
C2740 25V47
R2747 10K
R2748 120K
C2742 0.1(B)
C2741 0.033
C2727 0.1(V)
C2728 0.1(V)
C2729 0.1(V)
C2730 0.1(V)
C2736 0.068(B)
D2741 MA4062-M
IC2703 AN3815K
VM PFG P3 P2 P1 Vcc FC
M1 SC PC GND ETR ET HE- HE+
IC2704 XRA6435S
VM M1 PcI GND CS TL PcV VS EC ECR VH+ Vcc
M3 ATC M2 PF H3- H3+ H2- H2+ H1- H1+ R/S/F GND
D2719 11ED504
D2718 11ED504
D2717 11ED504
R2756 33
R2751 1K
R2752 33(1/4W)
R2753 33(1/4W)
R2754 33(1/4W)
R2755 0.47(1/2W) ERX12SJR47P
C2744 50V2R2
C2745 50V2R2
C2746 50V2R2
C2747 0.033
C2748 0.033
C2749 0.033
C2750 0.033
C2751 0.01
C2752 0.01
C2753 0.01
R2743 1200
R2742 27K
R2741 27K
R2729 1000
C2734 0.047(B)
C2735 6V47
D2742 MA4062-M
C2714 0.47(V)
C2718 0.47(V)
R2862 3300
R2863 3300
C2754 6V47
R2757 10K
R2759 22K
R2760 180K
C2755 1000P
R2761 10K
R2762 10K
R2758 220K
R2763 47K
R2764 47K
R2765 10K
IC2705 LM393PS
IC2706 LM358PS
R2766 220K
R2767 22K
C2756 1000P
R2768 180K
R2769 10K
R2770 10K
R2771 47K
R2772 47K
FG.L
FG.H
FG1
FG2
HP1
HP2
TO CAP(1)
CAP_FG(L) 7/11
CAP_FG(H) 7/11
CAP_FG1 7/11
CAP_FG2 7/11
CAP_HP1 7/11
CAP_HP2 7/11
(W) 1
2(R)
3
R2773 10K
R2774 10K
C2757 1000P
R2775 47K
R2776 4700
IC2707 LM393PS
IC2708 LM358PS
R2778 10K
R2779 10K
C2763 6V47
C2764 6V22
R2780 10K
R2781 10K
R2782 10K
R2783 220K
IC2709 LM393PS
C2758 50VR47(N)
R2785 220K
R2784 10K
R2786 10K
D2720 MA153
C2760 50V2R2(N)
R2787 10K
R2788 47K
R2789 4700
IC2710 UPC4556G
C2761 100P
R2790 33K
R2791 3300
IC2711 UPC4556G
C2762 50V2R2
C2770 100P
C2759 220P
D2722 MA153
R2792 10K
R2793 47K
C2765 220P
C2766 50V2R2(N)
R2794 4700
C2767 100P
R2795 33K
R2796 3300
C2768 50V2R2
C2769 1000P
-INPUT SIGNAL
-OUTPUT SIGNAL
Ref No.2700 Series.

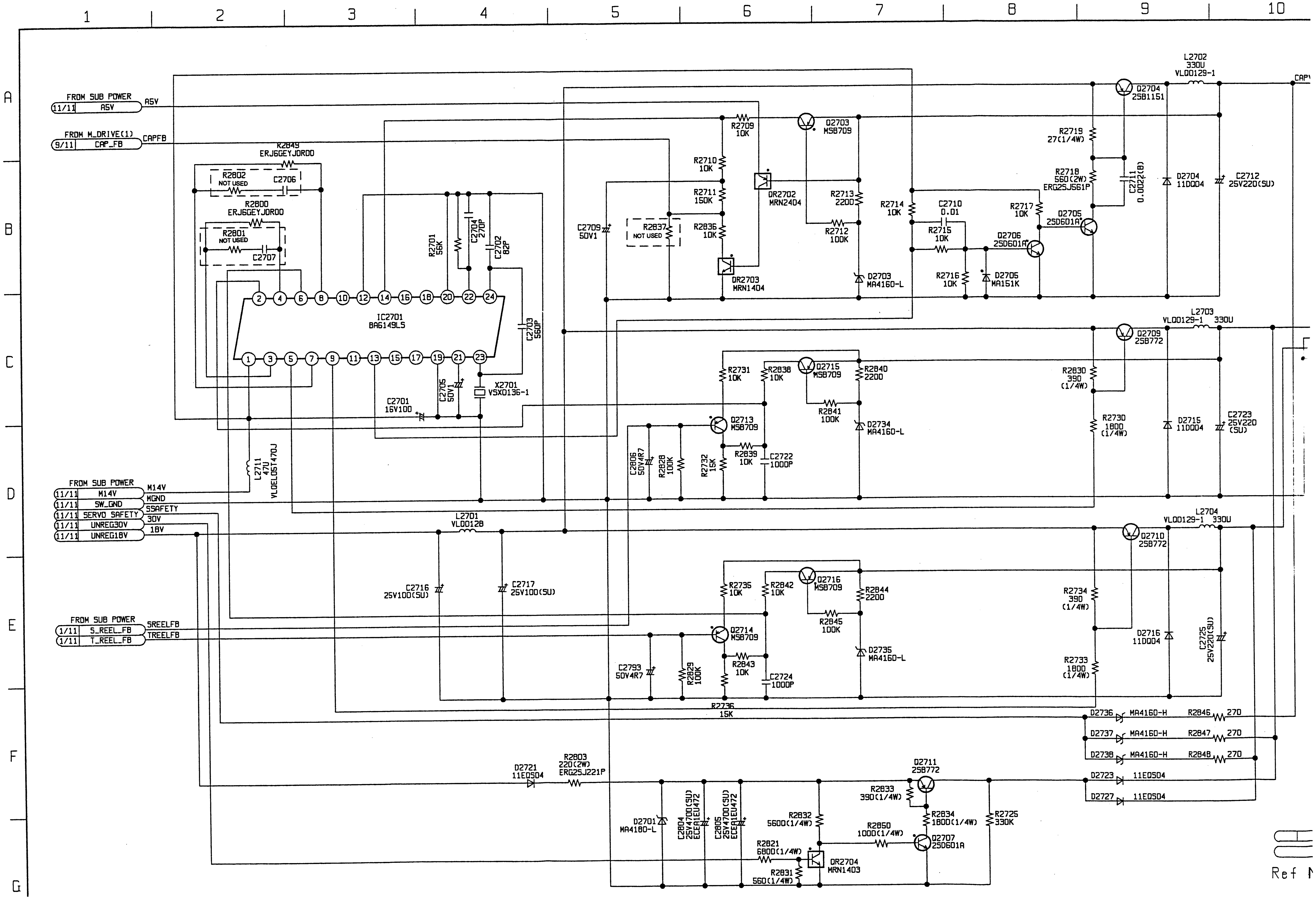
IC2703
AN3815K


ATC
M3
VM
PG/FG
P3
P2
P1
VCC
FC
I.FACE
OSC
C.D.C
PRESET
PG/FG DISP
MODE SELECT
1/16
POWER
MULTI PLICATION
EXT. SYNC
BEMF DET
STOP DET
S.M.D.
RATURA DET
TORQUE CONTROL
STOP
WAVE SHAPER
M2
M1
CS
PC
GND
ETR
HT
HE-
HE+

IC2704
XRA6435S

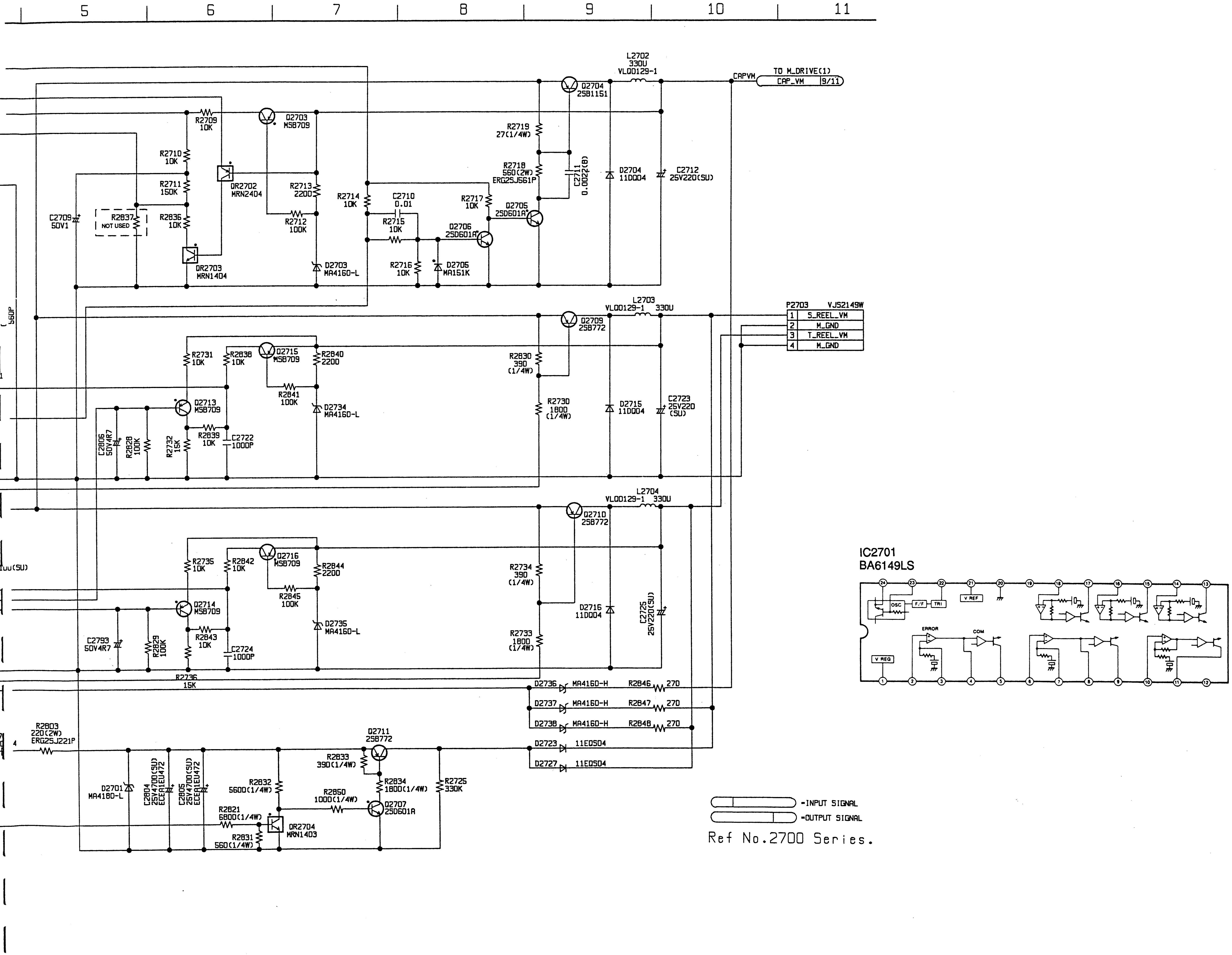

VH
M1
PCI
GND
CS
TL
PCV
VS
PCTL
VREX
VH+
VCC
HALL POWER
RATIO COMPOSITE
SATURTION DETECTOR
3 DIFFERENTIAL
TORQUE DIRECTION CHANGE OVER
P SIGNAL TORQUE COMPOSITE
TORQUE DIRECTION DETECTOR
3 PHASE GENERATOR
M3
ATC
M3
PCH
H3-
H3+
H2-
H2+
H1-
H1+
R/S/F
ER

MOTER DRIVE-2 SCHEMATIC DIAGRAM 10/11 (E3: Page CBA-3)



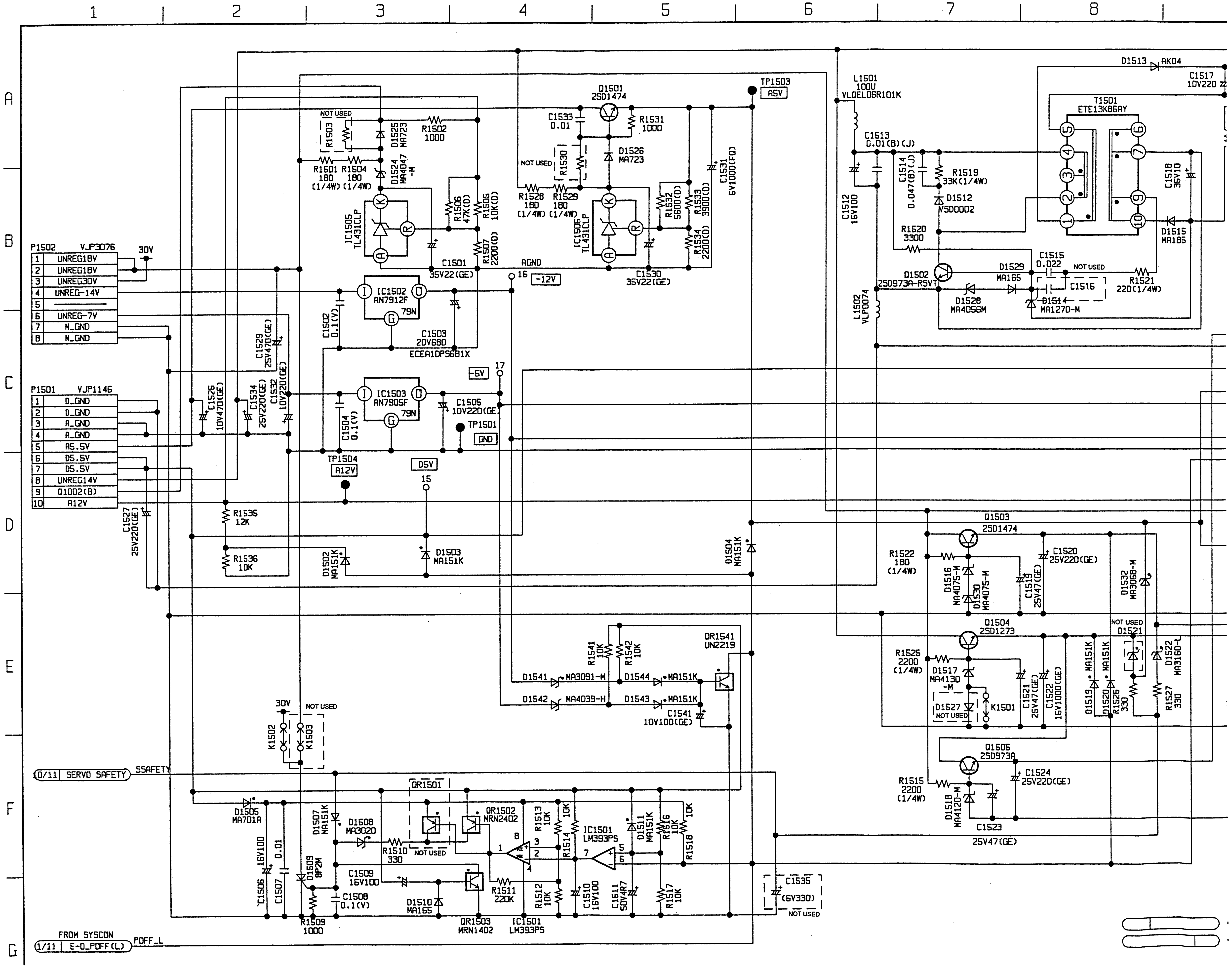
1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
FROM SUB POWER
11/11
A5V
FROM M_DRIVE(1)
9/11
CAP_FB
CAPFB
R2849
ERJ6GEYJ0R00
R2802
NOT USED
C2706
R2800
ERJ6GEYJ0R00
R2801
NOT USED
C2707
R2701
56K
C2704
270P
C2702
82P
C2703
560P
IC2701
BA6149LS
C2705
50V1
X2701
VSX0136-1
C2701
16V100
L2711
47U
VLOEL05T470J
FROM SUB POWER
M14V
MGND
SW_GND
SERVO SAFETY
SSAFETY
UNREG30V
30V
UNREG18V
18V
L2701
VL00128
C2716
25V100(SU)
C2717
25V100(SU)
FROM SUB POWER
1/11
S_REEL_FB
SREELFB
T_REEL_FB
TREELFB
C2709
50V1
R2837
NOT USED
R2709
10K
R2710
10K
R2711
150K
R2836
10K
QR2702
MRN2404
QR2703
MRN1404
Q2703
MSB709
R2713
2200
R2712
100K
D2703
MA4160-L
R2714
10K
C2710
0.01
R2715
10K
R2716
10K
D2705
MA151K
Q2706
2SD601A
R2717
10K
Q2705
2SD601A
R2718
560(2W)
ERG2SJ561P
R2719
27(1/4W)
C2711
0.0022(B)
Q2704
2SB1151
L2702
330U
VL00129-1
CAP
D2704
11D004
C2712
25V220(SU)
R2731
10K
R2838
10K
Q2715
MSB709
R2840
2200
R2841
100K
D2734
MA4160-L
Q2713
MSB709
C2806
50V4R7
R2828
100K
R2732
15K
R2839
10K
C2722
1000P
L2703
VL00129-1
330U
Q2709
2SB772
R2830
390
(1/4W)
R2730
1800
(1/4W)
D2715
11D004
C2723
25V220
(SU)
R2735
10K
R2842
10K
Q2716
MSB709
R2844
2200
R2845
100K
D2735
MA4160-L
Q2714
MSB709
C2793
50V4R7
R2829
100K
R2843
10K
C2724
1000P
R2736
15K
L2704
VL00129-1
330U
Q2710
2SB772
R2734
390
(1/4W)
R2733
1800
(1/4W)
D2716
11D004
C2725
25V220(SU)
D2736
MA4160-H
R2846
270
D2737
MA4160-H
R2847
270
D2738
MA4160-H
R2848
270
D2723
11E0S04
D2727
11E0S04
D2721
11E0S04
R2803
220(2W)
ERG2SJ221P
D2701
MA4180-L
C2804
25V4700(SU)
ECEA1EU472
C2805
25V4700(SU)
ECEA1EU472
R2832
5600(1/4W)
R2821
6800(1/4W)
R2831
560(1/4W)
QR2704
MRN1403
R2850
1000(1/4W)
Q2711
2SB772
R2833
390(1/4W)
R2834
1800(1/4W)
Q2707
2SD601A
R2725
330K
Ref

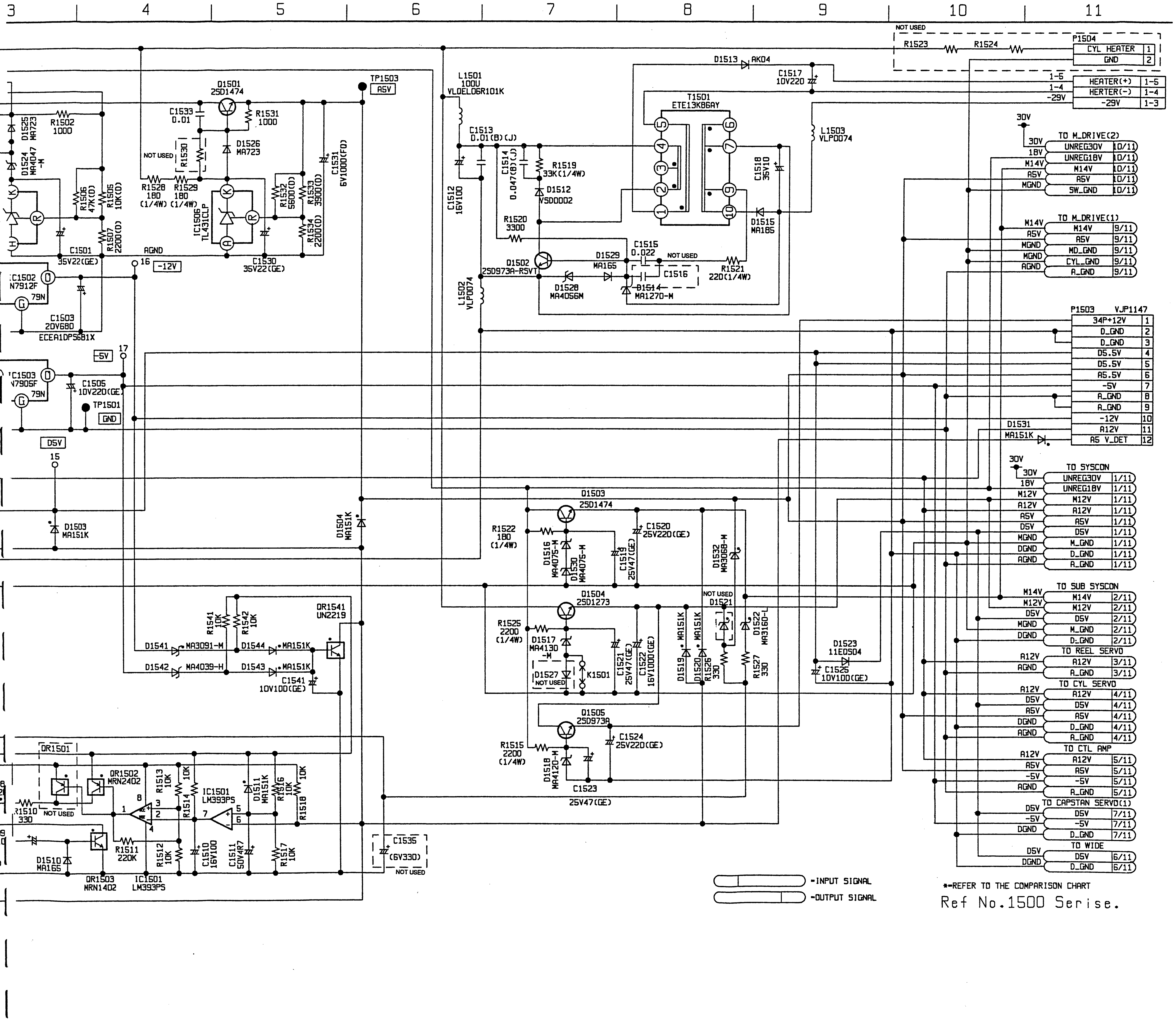
CBA-3)


5
6
7
8
9
10
11
L2702
330U
VL00129-1
CAPVM
TO M_DRIVE(1)
CAP_VM
9/11
Q2704
2SB1151
Q2703
MSB709
R2709
10K
R2710
10K
R2711
150K
R2836
10K
R2837
NOT USED
C2709
50V1
QR2702
MRN2404
QR2703
MRN1404
R2713
2200
R2712
100K
D2703
MA4160-L
R2714
10K
C2710
0.01
R2715
10K
R2716
10K
D2705
MA151K
Q2706
2SD601A
R2717
10K
Q2705
2SD601A
R2719
27(1/4W)
R2718
560(2W)
ERG2SJ561P
C2711
0.0022(B)
D2704
11D004
C2712
25V220(SU)
L2703
VL00129-1
330U
Q2709
2SB772
P2703
VJS2149W
1 S_REEL_VM
2 M_GND
3 T_REEL_VM
4 M_GND
R2731
10K
R2838
10K
Q2715
MSB709
R2840
2200
R2841
100K
D2734
MA4160-L
Q2713
MSB709
R2839
10K
C2722
1000P
R2732
15K
C2806
50V4R7
R2828
100K
R2830
390
(1/4W)
R2730
1800
(1/4W)
D2715
11D004
C2723
25V220
(SU)
L2704
VL00129-1
330U
Q2710
2SB772
R2735
10K
R2842
10K
Q2716
MSB709
R2844
2200
R2845
100K
D2735
MA4160-L
Q2714
MSB709
R2843
10K
C2724
1000P
C2793
50V4R7
R2829
100K
R2736
15K
R2734
390
(1/4W)
R2733
1800
(1/4W)
D2716
11D004
C2725
25V220(SU)
D2736
MA4160-H
R2846
270
D2737
MA4160-H
R2847
270
D2738
MA4160-H
R2848
270
D2723
11ED504
D2727
11ED504
560P
uu(SU)
R2803
220(2W)
ERG2SJ221P
4
D2701
MA4160-L
C2804
25V4700(SU)
ECEA1EU472
C2805
25V4700(SU)
ECEA1EU472
R2832
5600(1/4W)
R2821
6800(1/4W)
R2831
560(1/4W)
QR2704
MRN1403
R2833
390(1/4W)
Q2711
2SB772
R2850
1000(1/4W)
R2834
1800(1/4W)
Q2707
2SD601A
R2725
330K
-INPUT SIGNAL
-OUTPUT SIGNAL
IC2701
BA6149LS
OSC
F/F
TRI
V REF
ERROR
COM
V REQ

Ref No.2700 Series.

SUB POWER SCHEMATIC DIAGRAM 11/11 (E3: Page CBA-3)


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
P1502 VJP3076
1 UNREG18V
2 UNREG18V
3 UNREG30V
4 UNREG-14V
5
6 UNREG-7V
7 M_GND
8 M_GND
30V
P1501 VJP1146
1 D_GND
2 D_GND
3 A_GND
4 A_GND
5 A5.5V
6 D5.5V
7 D5.5V
8 UNREG14V
9 D1002(B)
10 A12V
NOT USED
R1503
D1525 MA723
R1502 1000
D1524 MA4047-M
R1501 180 (1/4W)
R1504 180 (1/4W)
IC1505 TL431CLP
K
A
R
R1506 47K(D)
R1505 10K(D)
R1507 2200(D)
C1501 35V22(GE)
AGND
16
-12V
IC1502 AN7912F
79N
I
O
G
C1502 0.1(V)
C1503 20V680 ECEA1DP5681X
C1529 25V470(GE)
C1526 10V470(GE)
C1534 25V220(GE)
C1532 10V220(GE)
-5V
17
IC1503 AN7905F
C1504 0.1(V)
C1505 10V220(GE)
TP1501
GND
TP1504
A12V
D5V
15
C1527 25V220(GE)
R1535 12K
R1536 10K
D1502 MA151K
D1503 MA151K
C1533 0.01
D1501 2SD1474
R1531 1000
R1530
D1526 MA723
R1528 180 (1/4W)
R1529 180 (1/4W)
IC1506 TL431CLP
R1532 5600(D)
R1533 3900(D)
R1534 2200(D)
C1530 35V22(GE)
C1531 6V1000(FD)
TP1503
A5V
D1504 MA151K
L1501 100U VLOEL06R101K
C1513 0.01(B)(J)
C1512 16V100
C1514 0.047(B)(J)
R1519 33K(1/4W)
D1512 VSD0002
R1520 3300
D1502 2SD973A-RSVT
D1528 MA4056M
D1529 MA165
C1515 0.022
C1516
D1514 MA1270-M
R1521 220(1/4W)
L1502 VLP0074
D1513 AK04
C1517 10V220
T1501 ETE13K86AY
C1518 35V10
D1515 MA185
D1503 2SD1474
R1522 180 (1/4W)
D1516 MA4075-M
D1530 MA4075-M
C1519 25V47(GE)
C1520 25V220(GE)
D1532 MA3068-M
D1504 2SD1273
R1525 2200 (1/4W)
D1517 MA4130-M
D1527
K1501
C1521 25V47(GE)
C1522 16V1000(GE)
D1521
D1519 MA151K
D1520 MA151K
R1526 330
D1522 MA3160-L
R1527 330
D1505 2SD973A
R1515 2200 (1/4W)
D1518 MA4120-M
C1524 25V220(GE)
C1523 25V47(GE)
R1541 10K
R1542 10K
QR1541 UN2219
D1541 MA3091-M
D1544 MA151K
D1542 MA4039-H
D1543 MA151K
C1541 10V100(GE)
30V
K1502
K1503
10/11 SERVO SAFETY
SSAFETY
QR1501
D1505 MA701A
D1507 MA151K
D1508 MA3020
R1510 330
QR1502 MRN2402
R1513 10K
R1514 10K
IC1501 LM393PS
D1511 MA151K
R1516 10K
R1518 10K
C1506 16V100
C1507 0.01
D1509 BP2M
C1509 16V100
C1508 0.1(V)
R1509 1000
D1510 MA165
QR1503 MRN1402
R1511 220K
R1512 10K
C1510 16V100
C1511 50V4R7
R1517 10K
C1535 (6V330)
FROM SYSCON
1/11 E-O_POFF(L)
POFF_L


3
4
5
6
7
8
9
10
11
NOT USED
R1523
R1524
P1504
CYL HEATER 1
GND 2
HEATER(+) 1-5
HERTER(-) 1-4
-29V 1-3
D1513 AK04
C1517 10V220
T1501 ETE13KB6AY
L1501 100U VLOEL06R101K
L1503 VLP0074
C1513 0.01(B)(J)
C1514 0.047(B)(J)
R1519 33K(1/4W)
D1512 VSD0002
C1512 16V100
C1518 35V10
D1515 MA165
R1520 3300
D1502 2SD973A-RSVT
D1529 MA165
C1515 0.022
NOT USED
C1516
R1521 220(1/4W)
D1528 MA4056M
D1514 MA1270-M
L1502 VLP0074
TP1503 A5V
D1501 2SD1474
C1533 0.01
R1531 1000
D1526 MA723
R1530
R1528 180 (1/4W)
R1529 180 (1/4W)
IC1506 TL431CLP
R1532 5600(D)
R1533 3900(D)
R1534 2200(D)
C1531 6V1000(FD)
C1530 35V22(GE)
AGND
16 -12V
D1525 MA723
R1502 1000
D1524 MA4047-M
R1506 47K(D)
R1505 10K(D)
R1507 2200(D)
C1501 35V22(GE)
IC1502 N7912F 79N
C1503 20V680 ECEA1DPS681X
17 -5V
IC1503 N7905F 79N
C1505 10V220(GE)
TP1501 GND
D5V 15
D1503 MA151K
D1504 MA151K
30V
TO M_DRIVE(2)
UNREG30V 10/11
UNREG18V 10/11
M14V 10/11
A5V 10/11
SW_GND 10/11
TO M_DRIVE(1)
M14V 9/11
A5V 9/11
MD_GND 9/11
CYL_GND 9/11
A_GND 9/11
P1503 VJP1147
34P+12V 1
D_GND 2
D_GND 3
D5.5V 4
D5.5V 5
A5.5V 6
-5V 7
A_GND 8
A_GND 9
-12V 10
A12V 11
A5 V_DET 12
D1531 MA151K
TO SYSCON
UNREG30V 1/11
UNREG18V 1/11
M12V 1/11
A12V 1/11
A5V 1/11
D5V 1/11
M_GND 1/11
D_GND 1/11
A_GND 1/11
TO SUB SYSCON
M14V 2/11
M12V 2/11
D5V 2/11
M_GND 2/11
D_GND 2/11
TO REEL SERVO
A12V 3/11
A_GND 3/11
TO CYL SERVO
A12V 4/11
D5V 4/11
A5V 4/11
D_GND 4/11
A_GND 4/11
TO CTL AMP
A12V 5/11
A5V 5/11
-5V 5/11
A_GND 5/11
TO CAPSTAN SERVO(1)
D5V 7/11
-5V 7/11
D_GND 7/11
TO WIDE
D5V 6/11
D_GND 6/11
D1503 2SD1474
R1522 180 (1/4W)
D1516 MA4075-M
D1530 MA4075-M
C1519 25V47(GE)
C1520 25V220(GE)
D1532 MA3068-M
D1504 2SD1273
R1525 2200 (1/4W)
D1517 MA4130 -M
D1527 NOT USED
K1501
C1521 25V47(GE)
C1522 16V1000(GE)
NOT USED D1521
D1519 MA151K
D1520 MA151K
R1526 330
R1527 330
D1522 MA3160-L
D1523 11ED504
C1525 10V100(GE)
D1505 2SD973A
R1515 2200 (1/4W)
D1518 MA4120-M
C1523 25V47(GE)
C1524 25V220(GE)
R1541 10K
R1542 10K
QR1541 UN2219
D1541 MA3091-M
D1544 MA151K
D1542 MA4039-H
D1543 MA151K
C1541 10V100(GE)
QR1501
QR1502 MRN2402
R1510 330
NOT USED
R1513 10K
R1514 10K
IC1501 LM393PS
R1511 220K
R1512 10K
C1510 16V100
C1511 50V4R7
D1511 MA151K
R1516 10K
R1517 10K
R1518 10K
D1510 MA165
QR1503 MRN1402
IC1501 LM393PS
C1535 (6V330)
NOT USED

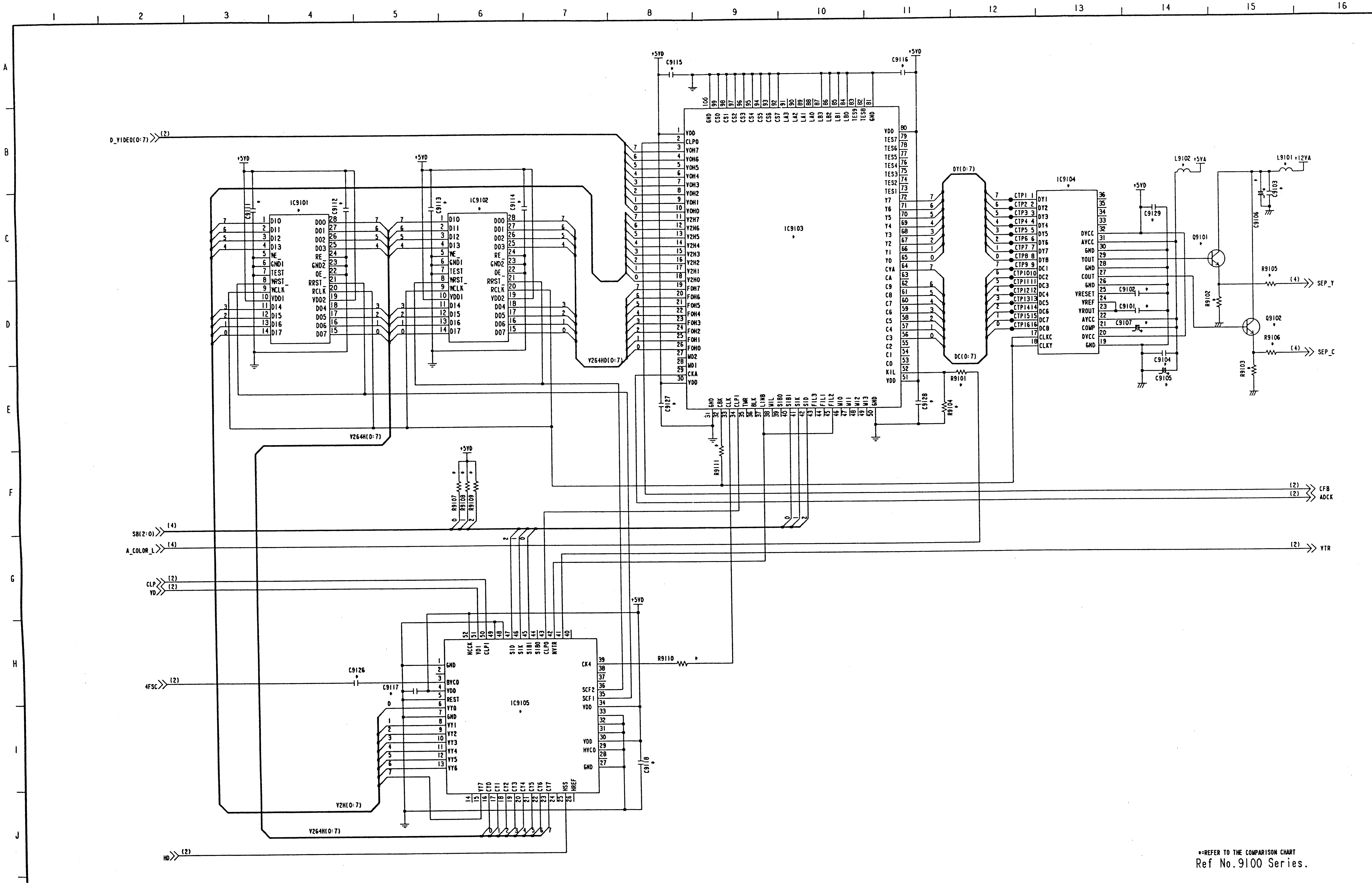
-INPUT SIGNAL

-OUTPUT SIGNAL

*-REFER TO THE COMPARISON CHART

Ref No.1500 Serise.

VIDEO C-1 SCHEMATIC DIAGRAM 1/5 (E13: Page CBA-4)


IC9101
IC9102
IC9103
IC9104
IC9105
D_VIDEO(0:7)
Y264H(0:7)
Y264HD(0:7)
Y2H(0:7)
DY(0:7)
DC(0:7)
SBI(2:0)
A_COLOR_L
CLP
VD
4FSC
HD
CFB
ADCK
VTR
SEP_Y
SEP_C
+5VD
+5VA
+12VA
L9101
L9102
Q9101
Q9102
R9101
R9102
R9103
R9104
R9105
R9106
R9107
R9108
R9109
R9110
R9111
C9101
C9102
C9103
C9104
C9105
C9106
C9107
C9111
C9112
C9113
C9114
C9115
C9116
C9117
C9118
C9126
C9127
C9128
C9129

*=REFER TO THE COMPARISON CHART

Ref No.9100 Series.

IC

uP

DY1

DY2

DY3

DY4

DY5

DY6

DY7

DY8

DC1

DC2

DC3

DC4

DC5

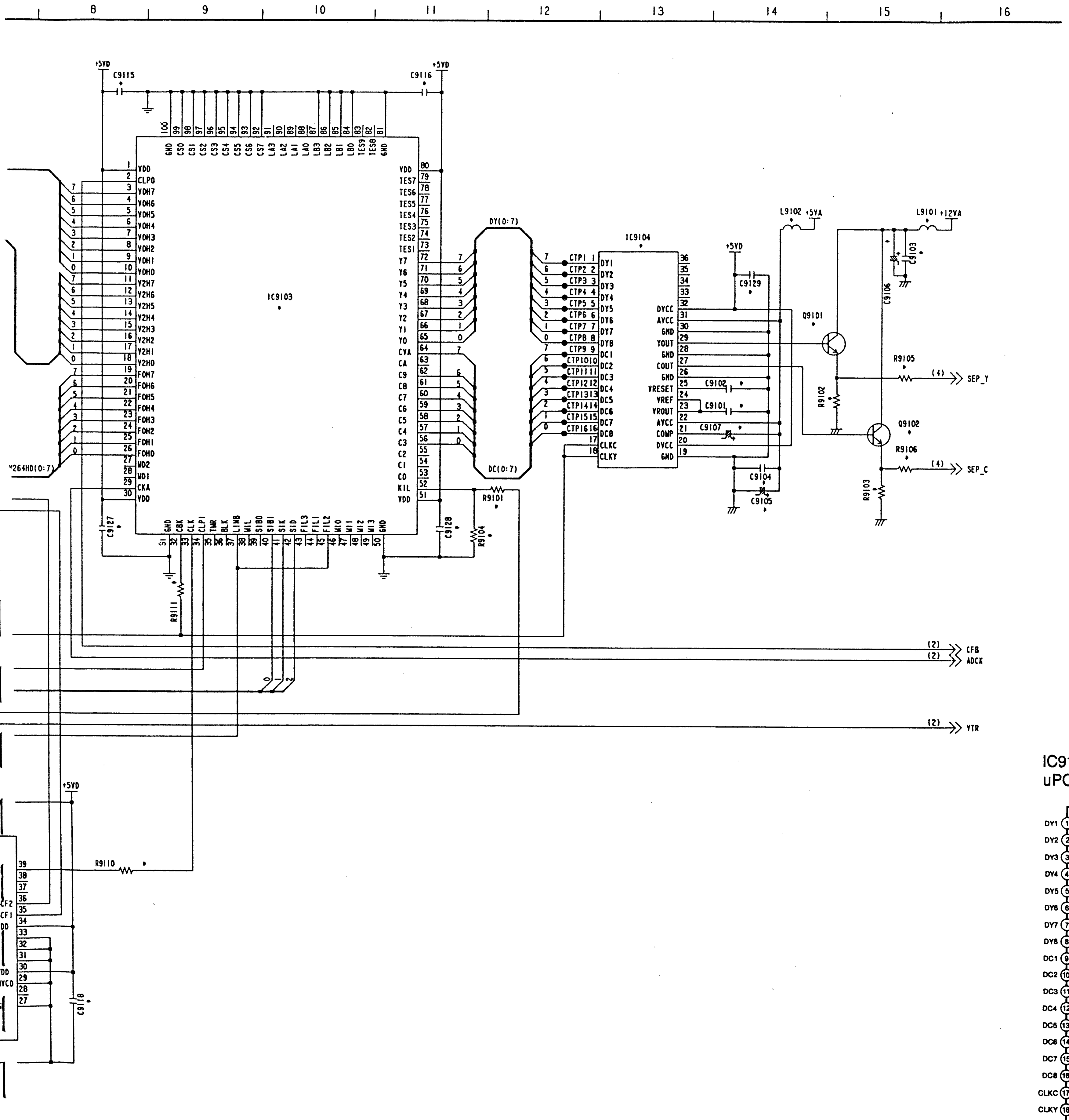
DC6

DC7

DC8

CLKC

CLKY



8
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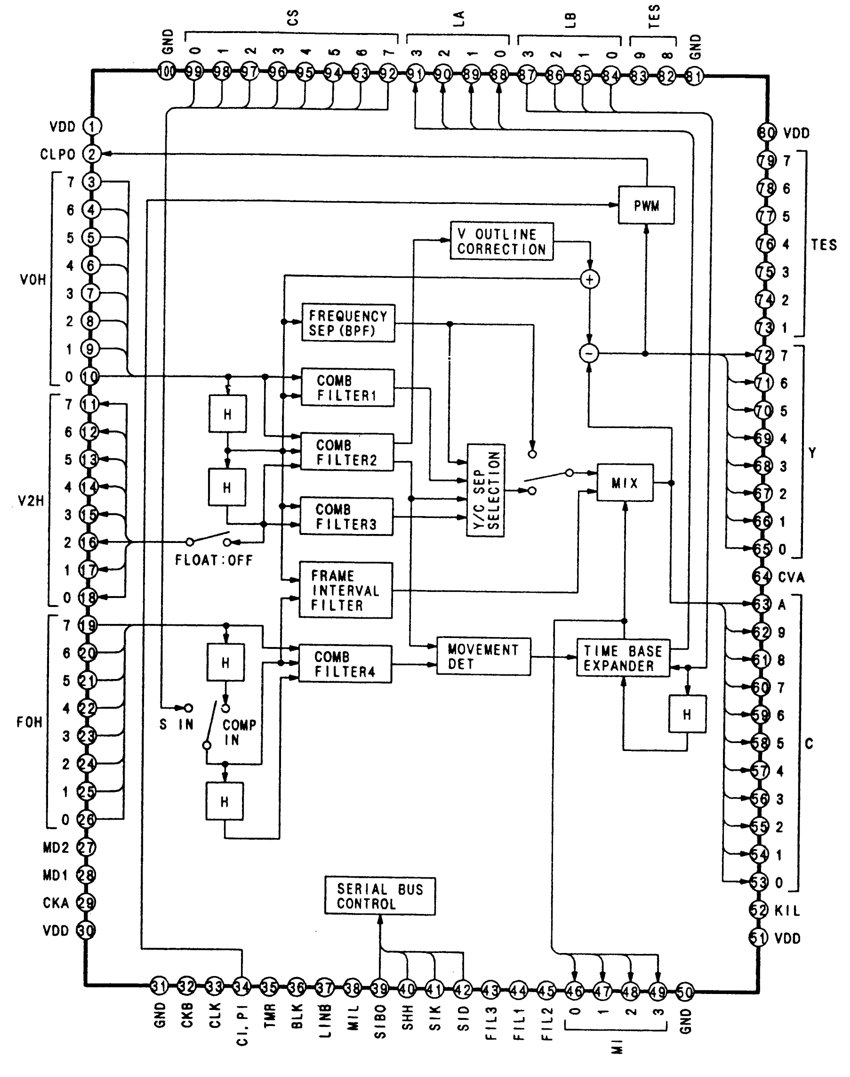
14
15
16
+5VD
C9115
C9116
IC9103
IC9104
DY(0:7)
DC(0:7)
Y264HD(0:7)
+5VD
C9129
L9102 +5VA
L9101 +12VA
C9103
C9106
Q9101
Q9102
R9105
R9106
R9102
R9103
C9102
C9101
C9107
C9104
C9105
R9101
R9104
C9127
C9128
R9111
R9110
C918
(4) SEP_Y
(4) SEP_C
(2) CFB
(2) ADCK
(2) YTR
DYCC
AVCC
GND
YOUT
COUT
VRESET
VREF
VROUT
COMP
DVCC
CLKC
CLKY

*=REFER TO THE COMPARISON CHART

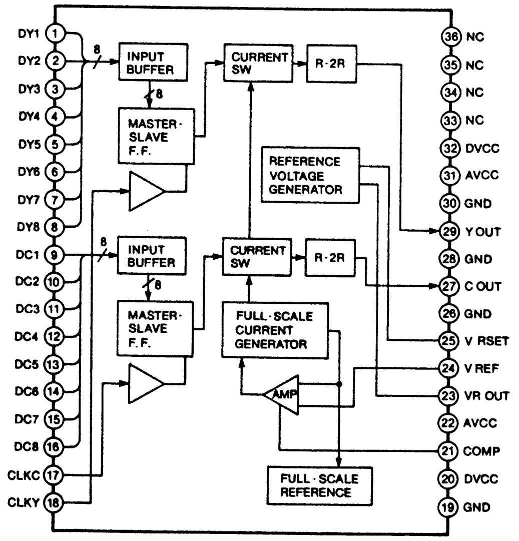
Ref No.9100 Series.

IC9103
uPD6480GF38A



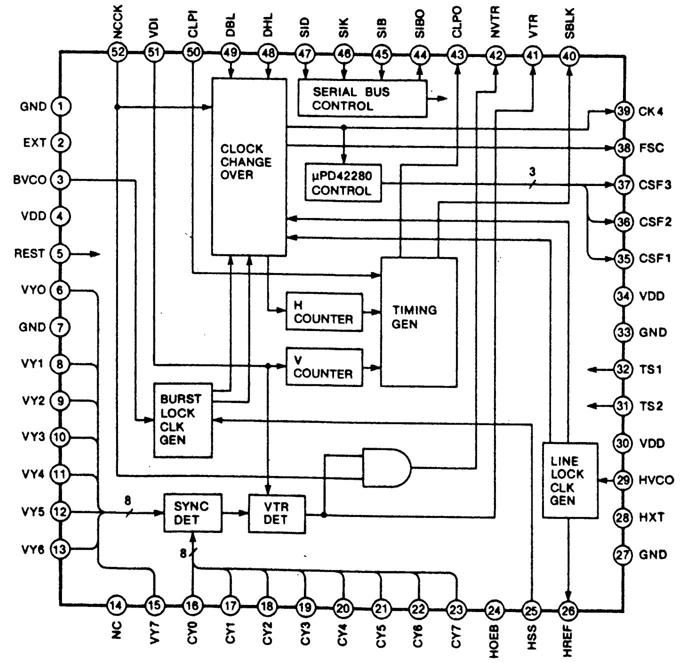
GND
CS
LA
LB
TES
VDD
CLPO
VOH
V2H
FOH
MD2
MD1
CKA
PWM
V OUTLINE CORRECTION
FREQUENCY SEP (BPF)
COMB FILTER1
COMB FILTER2
COMB FILTER3
COMB FILTER4
FRAME INTERVAL FILTER
Y/C SEP SELECTION
MIX
MOVEMENT DET
TIME BASE EXPANDER
H
FLOAT:OFF
S IN
COMP IN
SERIAL BUS CONTROL
Y
CVA
A
C
KIL
CKB
CLK
CL PI
TMR
BLK
LINB
MIL
SIBO
SHH
SIK
SID
FIL3
FIL1
FIL2
MI

IC9104
uPC664GS



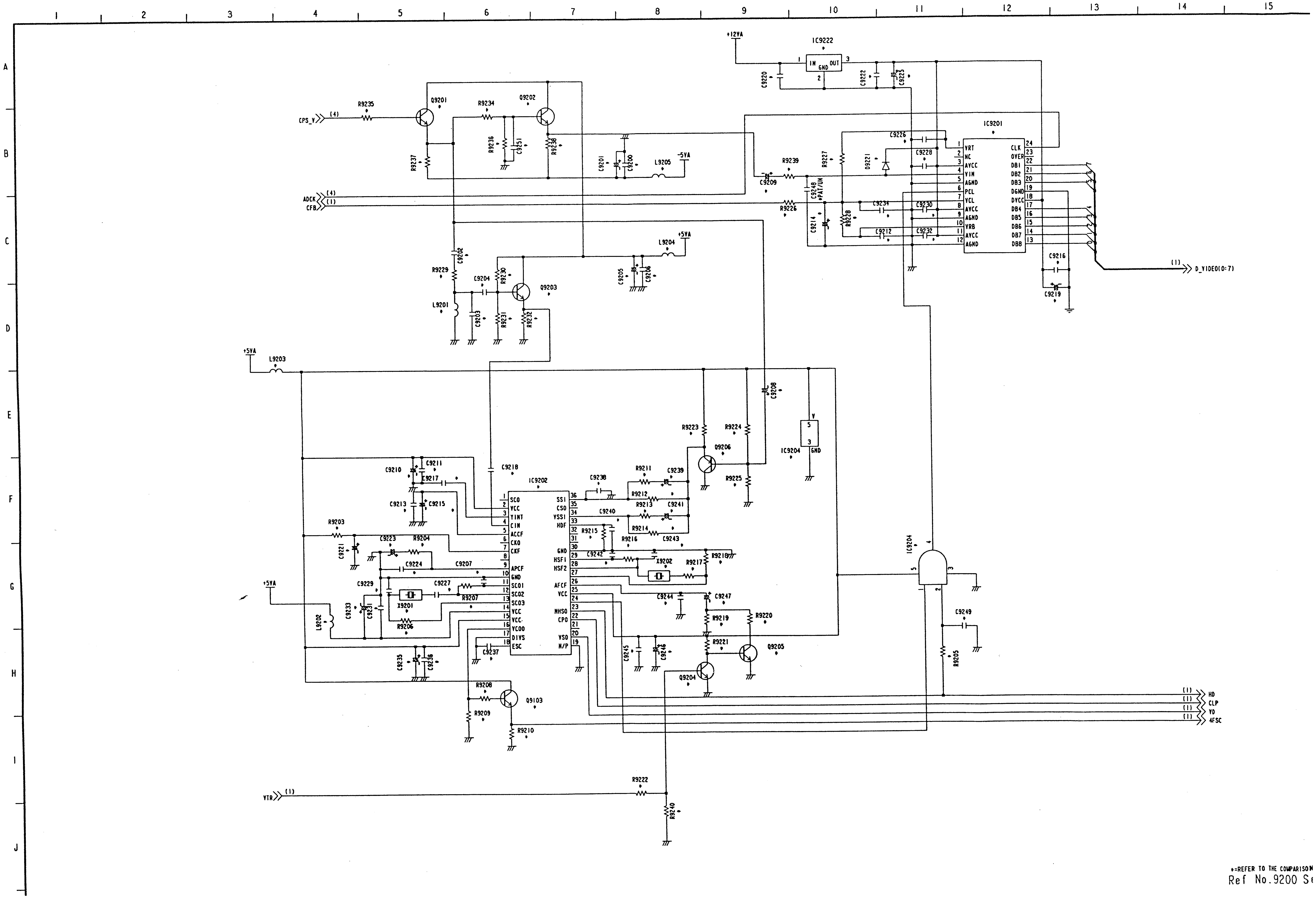
DY1
DY2
DY3
DY4
DY5
DY6
DY7
DY8
DC1
DC2
DC3
DC4
DC5
DC6
DC7
DC8
CLKC
CLKY
INPUT BUFFER
MASTER-SLAVE F.F.
CURRENT SW
R-2R
REFERENCE VOLTAGE GENERATOR
FULL-SCALE CURRENT GENERATOR
AMP
FULL-SCALE REFERENCE
NC
DVCC
AVCC
GND
YOUT
C OUT
V RSET
V REF
VR OUT
COMP

IC9105
uPD6481GC386



NCCK
VDI
CLPI
DBL
DHL
SID
SIK
SIB
SIBO
CLPO
NVTR
VTR
SBLK
GND
EXT
BVCO
VDD
REST
VYO
VY1
VY2
VY3
VY4
VY5
VY6
CLOCK CHANGE OVER
SERIAL BUS CONTROL
uPD42280 CONTROL
H COUNTER
V COUNTER
TIMING GEN
BURST LOCK CLK GEN
SYNC DET
VTR DET
LINE LOCK CLK GEN
CK4
FSC
CSF3
CSF2
CSF1
TS1
TS2
HVCO
HXT
NC
VY7
CY0
CY1
CY2
CY3
CY4
CY5
CY6
CY7
HOEB
HSS
HREF

VIDEO C-2 SCHEMATIC DIAGRAM 2/5 (E13: Page CBA-4)


1
2
3
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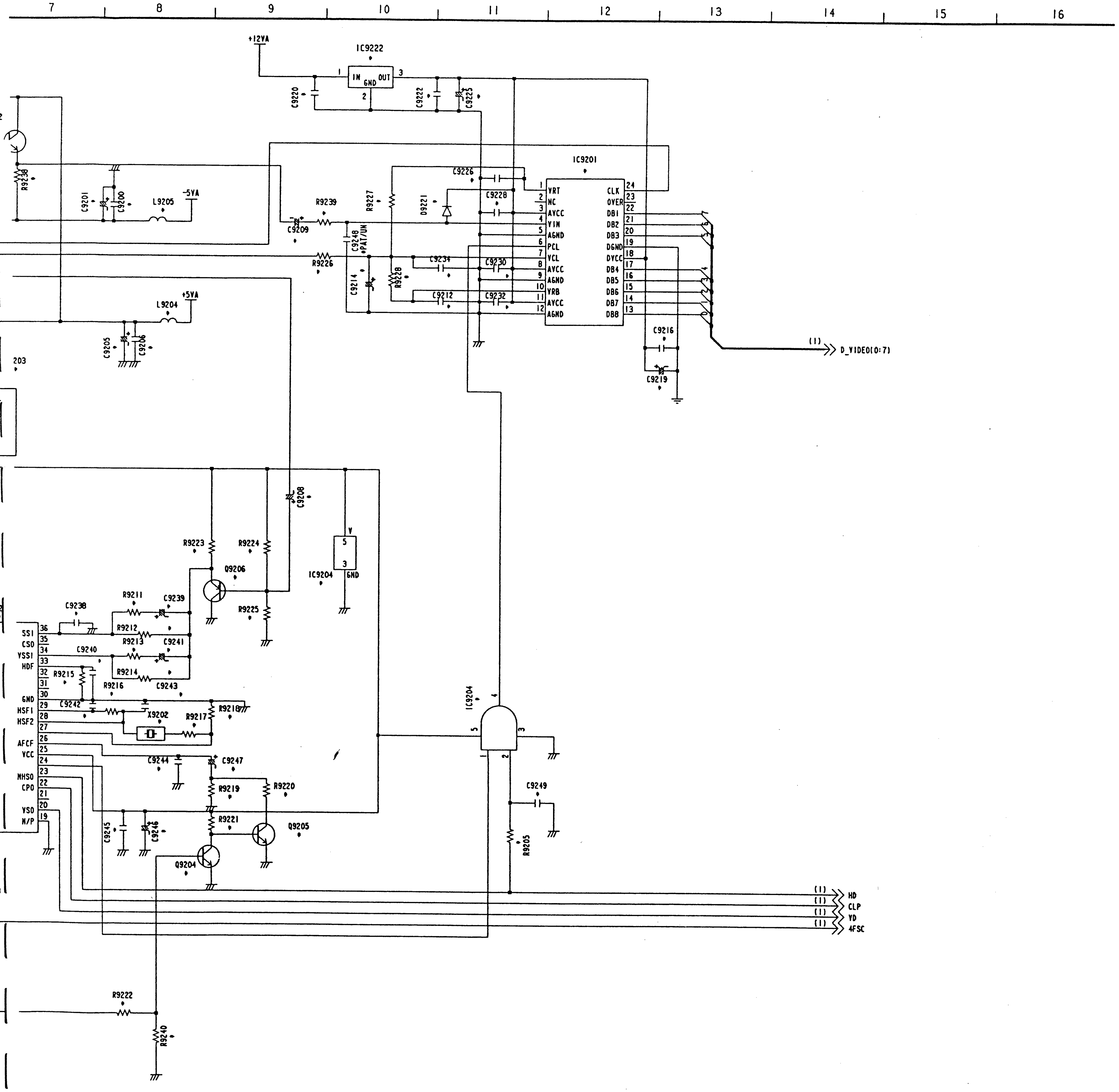
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
+12VA
IC9222
IN
GND
OUT
C9220
C9222
C9225
IC9201
VRT
NC
AVCC
VIN
AGND
PCL
YCL
AVCC
AGND
VRB
AVCC
AGND
CLK
OVER
DB1
DB2
DB3
DGND
DVCC
DB4
DB5
DB6
DB7
DB8
C9226
C9228
D9221
R9227
R9239
C9209
C9248
+PAT/UN
R9226
C9214
R9228
C9234
C9230
C9212
C9232
C9216
C9219
D_VIDEO(0:7)
CPS_Y
R9235
Q9201
R9234
Q9202
R9236
C9251
R9238
R9237
C9201
C9200
L9205
-5VA
ADCK
CFB
+5VA
L9204
C9205
C9206
C9202
R9229
C9204
R9230
Q9203
L9201
C9203
R9231
R9232
L9203
C9208
R9223
R9224
Q9206
R9225
IC9204
GND
C9210
C9211
C9217
C9218
IC9202
SCO
VCC
YINT
CIN
ACCF
CKO
CKF
APCF
GND
SCO1
SCO2
SCO3
VCC
VCC
VCOO
DIVS
ESC
SSI
CSO
VSSI
HDF
GND
HSF1
HSF2
AFCF
VCC
MHSO
CPO
VSO
N/P
C9213
C9215
R9203
C9221
C9223
R9204
C9224
C9207
C9229
C9227
R9207
X9201
C9233
C9231
R9206
L9202
C9238
R9211
C9239
R9212
R9213
C9241
C9240
R9214
R9215
R9216
C9243
C9242
X9202
R9217
R9218
C9244
C9247
R9219
R9220
R9221
Q9205
C9245
C9246
Q9204
C9235
C9236
C9237
R9208
Q9103
R9209
R9210
C9249
R9205
HD
CLP
VD
4FSC
VTR
R9222
R9240

*=REFER TO THE COMPARISON

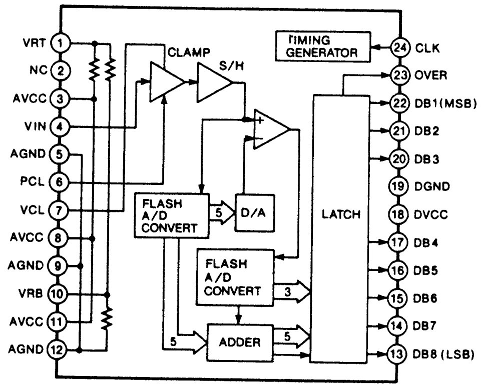
Ref No.9200 S


7
8
9
10
11
12
13
14
15
16
+12VA
IC9222
IN
GND
OUT
C9220
C9222
C9225
IC9201
C9226
C9228
VRT
NC
AVCC
VIN
AGND
PCL
VCL
AVCC
AGND
VRB
AVCC
AGND
CLK
OVER
DB1
DB2
DB3
DGND
DVCC
DB4
DB5
DB6
DB7
DB8
R9236
C9201
C9200
L9205
-5VA
R9239
C9209
R9227
D9221
C9248
*PAT/UN
R9226
C9214
R9228
C9234
C9230
C9212
C9232
C9216
C9219
(1)
D_VIDEO(0:7)
L9204
+5VA
C9205
C9206
203
C9208
R9223
R9224
Q9206
IC9204
GND
R9225
R9211
C9239
C9238
R9212
R9213
C9241
C9240
R9214
R9215
R9216
C9243
C9242
X9202
R9217
R9218
SS1
CSO
YSS1
HDF
GND
HSF1
HSF2
AFCF
VCC
NHSO
CPO
YSO
N/P
C9244
C9247
R9219
R9220
R9221
Q9205
C9245
C9246
Q9204
C9249
R9205
HD
CLP
YD
4FSC
R9222
R9240

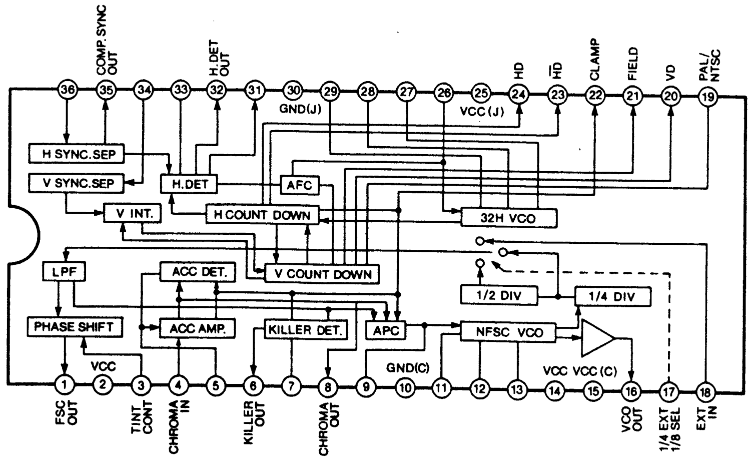
*=REFER TO THE COMPARISON CHART

Ref No.9200 Series.

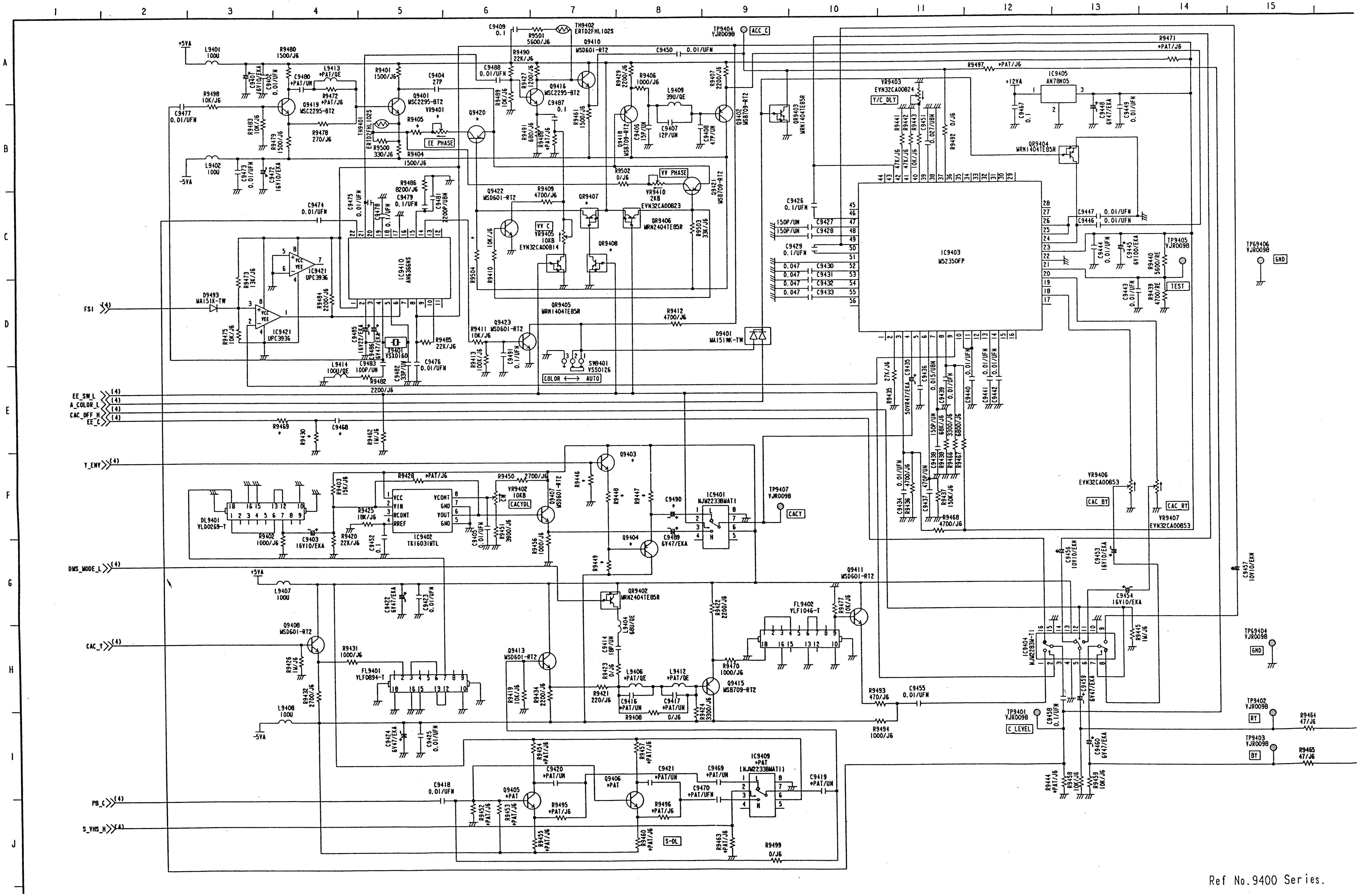
IC9201
uPC659GS


VRT 1
NC 2
AVCC 3
VIN 4
AGND 5
PCL 6
VCL 7
AVCC 8
AGND 9
VRB 10
AVCC 11
AGND 12
CLAMP
S/H
TIMING GENERATOR
FLASH A/D CONVERT
D/A
FLASH A/D CONVERT
ADDER
LATCH
24 CLK
23 OVER
22 DB1(MSB)
21 DB2
20 DB3
19 DGND
18 DVCC
17 DB4
16 DB5
15 DB6
14 DB7
13 DB8 (LSB)

IC9202
uPC1860GS


COMP. SYNC OUT
H.DET OUT
GND(J)
VCC(J)
HD
HD
CLAMP
FIELD
VD
PAL/NTSC
H SYNC.SEP
V SYNC.SEP
H.DET
AFC
V INT.
H COUNT DOWN
32H VCO
LPF
ACC DET.
V COUNT DOWN
1/2 DIV
1/4 DIV
PHASE SHIFT
ACC AMP.
KILLER DET.
APC
NFSC VCO
VCC
GND(C)
VCC VCC(C)
FSC OUT
TINT CONT
CHROMA IN
KILLER OUT
CHROMA OUT
VCO OUT
1/4 EXT 1/8 SEL
EXT IN

VIDEO C-3 SCHEMATIC DIAGRAM 3/5 (E13: Page CBA-4)



1
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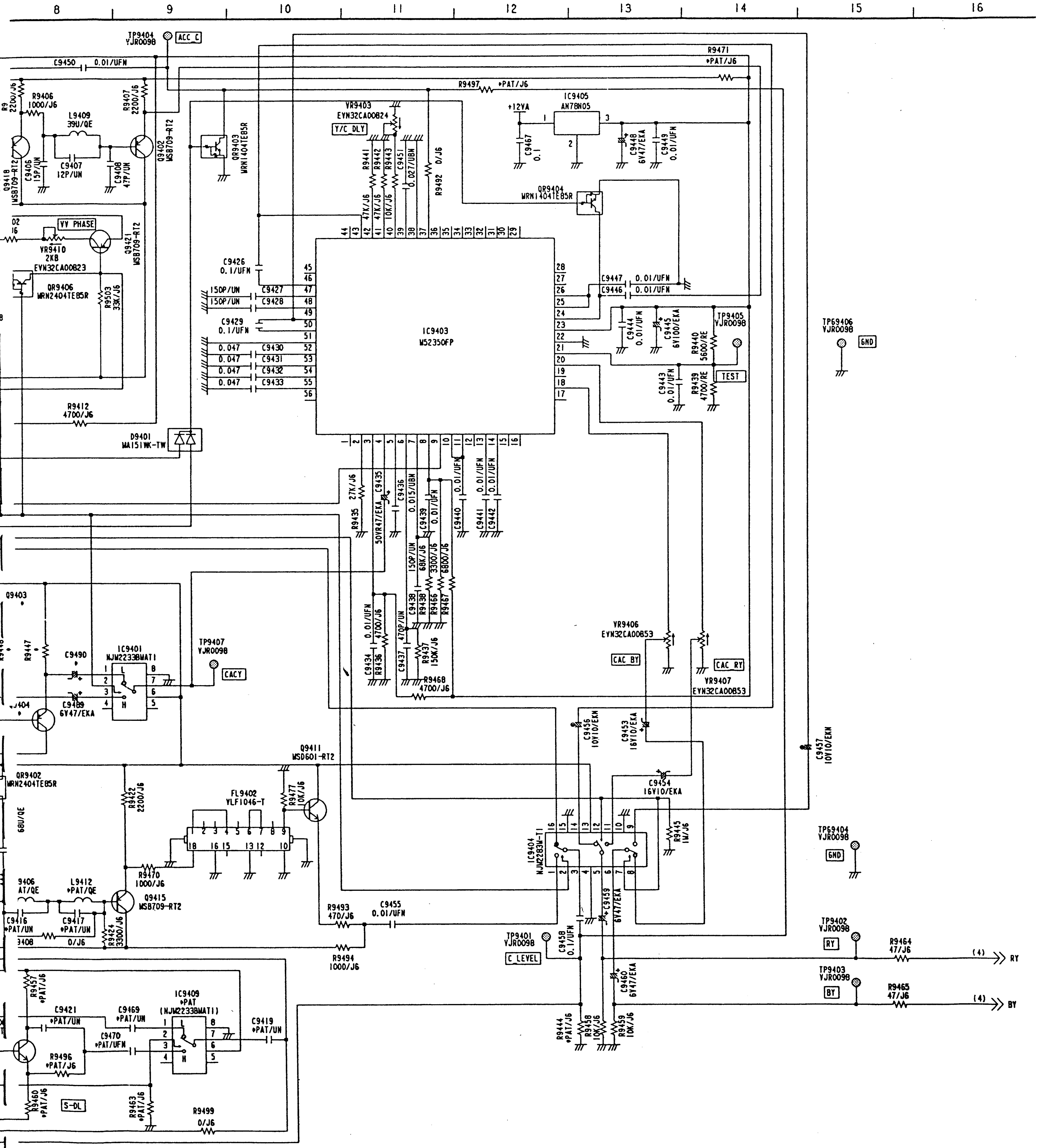
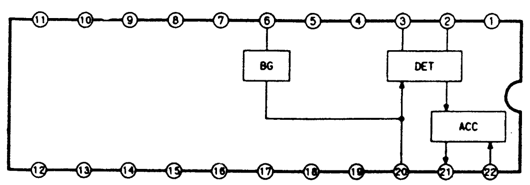
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
+5VA
-5VA
+12VA
FSI (4)
EE_SW_L (4)
A_COLOR_L (4)
CAC_OFF_H (4)
EE_C (4)
Y_ENV (4)
DMS_MODE_L (4)
CAC_Y (4)
PB_C (4)
S_VHS_H (4)
IC9410 AN6364S
IC9421 UPC393G
IC9403 M52350FP
IC9405 AN78N05
IC9402 TK16031MTL
IC9401 NJM2233BMAT1
IC9404 NJM2283M-T1
IC9409 *PAT (NJM2233BMAT1)
DL9401 YLD0269-T
FL9401 YLF0894-T
FL9402 YLF1046-T
TH9401 ERTD2FHL102S
TH9402 ERTD2FHL102S
X9401 YSXD160
SW9401 YSS0126
COLOR ⟷ AUTO
EE PHASE
YY PHASE
YY C
Y/C DLY
CACYDL
CAC BY
CAC RY
C LEVEL
CACY
S-DL
TEST
GND
RY
BY
ACC C
TP9401 YJR0098
TP9402 YJR0098
TP9403 YJR0098
TP9404 YJR0098
TP9405 YJR0098
TP9407 YJR0098
TP69404 YJR0098
TP69406 YJR0098
VR9401
VR9402 10KB
VR9403 EYN32CA00824
VR9405 10KB EYN32CA00814
VR9406 EYN32CA00853
VR9407 EYN32CA00853
VR9410 2KB EYN32CA00823
QR9402 MRN2404TE85R
QR9403 MRN1404TE85R
QR9404 MRN1404TE85R
QR9405 MRN1404TE85R
QR9406 MRN2404TE85R
QR9407
QR9408
D9401 MA151WK-TW
D9493 MA151K-TW
R9464 47/J6
R9465 47/J6

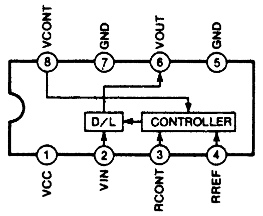
Ref No.9400 Series.


8
9
10
11
12
13
14
15
16
TP9404 YJR0098
ACC C
C9450 0.01/UFN
R9471 *PAT/J6
R9497 *PAT/J6
R9406 1000/J6
L9409 39U/QE
R9407 2200/J6
C9407 12P/UN
C9408 47P/UN
Q9402 MSB709-RT2
QR9403 WRN1404TE85R
VR9403 EYN32CA00824
Y/C DLY
IC9405 AN78N05
+12VA
C9467 0.1
C9448 6V47/EKA
C9449 0.01/UFN
R9441 47K/J6
R9442 47K/J6
R9443 10K/J6
C9451 0.027/UBN
R9492 0/J6
QR9404 WRN1404TE85R
VY PHASE
VR9410 2KB EYN32CA00823
Q9421 MSB709-RT2
QR9406 WRN2404TE85R
R9503 33K/J6
C9426 0.1/UFN
150P/UN C9427
150P/UN C9428
C9429 0.1/UFN
0.047 C9430
0.047 C9431
0.047 C9432
0.047 C9433
IC9403 M52350FP
C9447 0.01/UFN
C9446 0.01/UFN
C9444 0.01/UFN
C9445 6V100/EKA
R9440 5600/RE
TP9405 YJR0098
TEST
C9443 0.01/UFN
R9439 4700/RE
TP69406 YJR0098
GND
R9412 4700/J6
D9401 MA151WK-TW
R9435 27K/J6
C9435 50V R47/EKA
R9436
C9436
C9439 0.015/UBN
0.01/UFN
C9440 0.01/UFN
C9441 0.01/UFN
C9442 0.01/UFN
150P/UN
R9438 68K/J6
R9466 3300/J6
R9467 6800/J6
C9434 0.01/UFN
C9437 470P/UN
C9438
R9437 150K/J6
R9468 4700/J6
Q9403
R9447
C9490
IC9401 NJM2233BMAT1
TP9407 YJR0098
CACY
C9489 6V47/EKA
Q9404
VR9406 EYN32CA00853
CAC BY
CAC RY
VR9407 EYN32CA00853
C9456 10V10/EKN
C9453 16V10/EKA
C9457 10V10/EKN
C9454 16V10/EKA
Q9402 WRN2404TE85R
R9442 2200/J6
Q9411 MSD601-RT2
R9477 10K/J6
FL9402 YLF1046-T
R9470 1000/J6
Q9415 MSB709-RT2
L9412 *PAT/QE
C9416 *PAT/UN
C9417 *PAT/UN
R9424 3300/J6
R9408 0/J6
IC9404 NJM2283M-T1
R9445 1M/J6
TP69404 YJR0098
GND
R9493 470/J6
C9455 0.01/UFN
R9494 1000/J6
TP9401 YJR0098
C LEVEL
C9458 0.1/UFN
C9459 6V47/EKA
TP9402 YJR0098
RY
R9464 47/J6
(4) RY
TP9403 YJR0098
BY
R9465 47/J6
(4) BY
C9460 6V47/EKA
R9444 *PAT/J6
R9458 10K/J6
R9459 10K/J6
C9421 *PAT/UN
C9469 *PAT/UN
C9470 *PAT/UFN
IC9409 *PAT (NJM2233BMAT1)
C9419 *PAT/UN
R9496 *PAT/J6
R9460 *PAT/J6
S-DL
R9463 *PAT/J6
R9499 0/J6

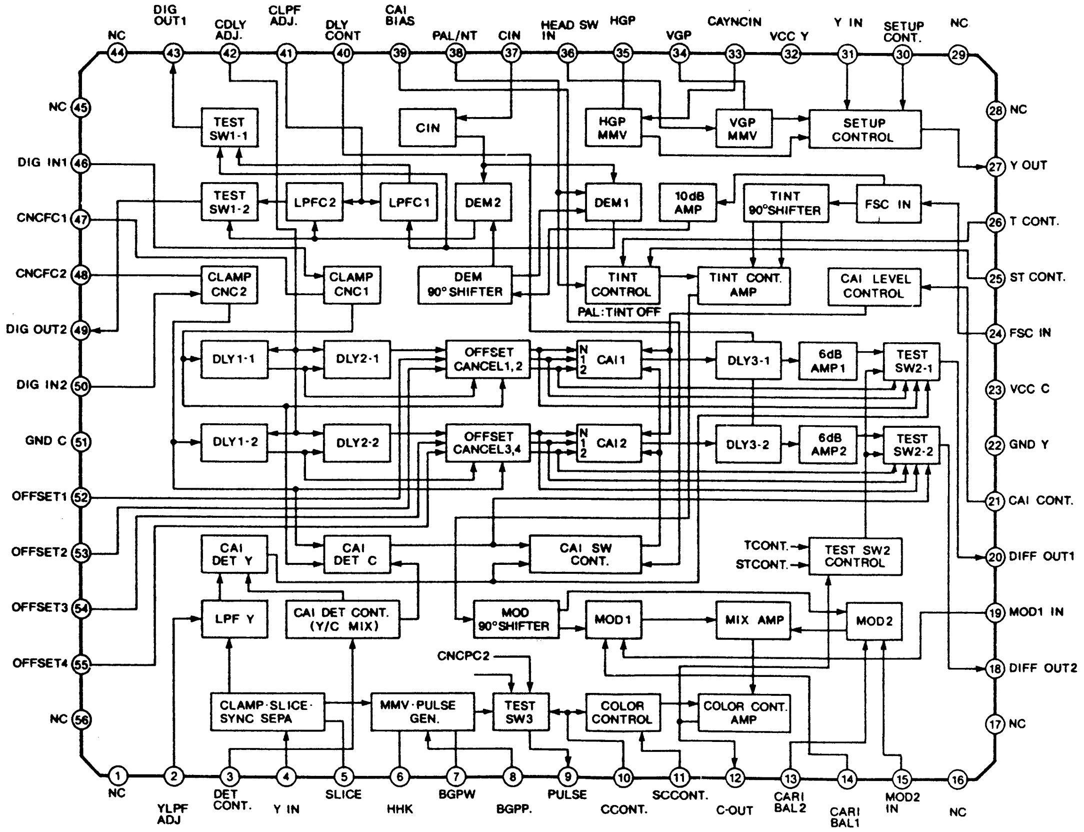
IC9410
AN6366NS



IC9402
TK1603IMTL

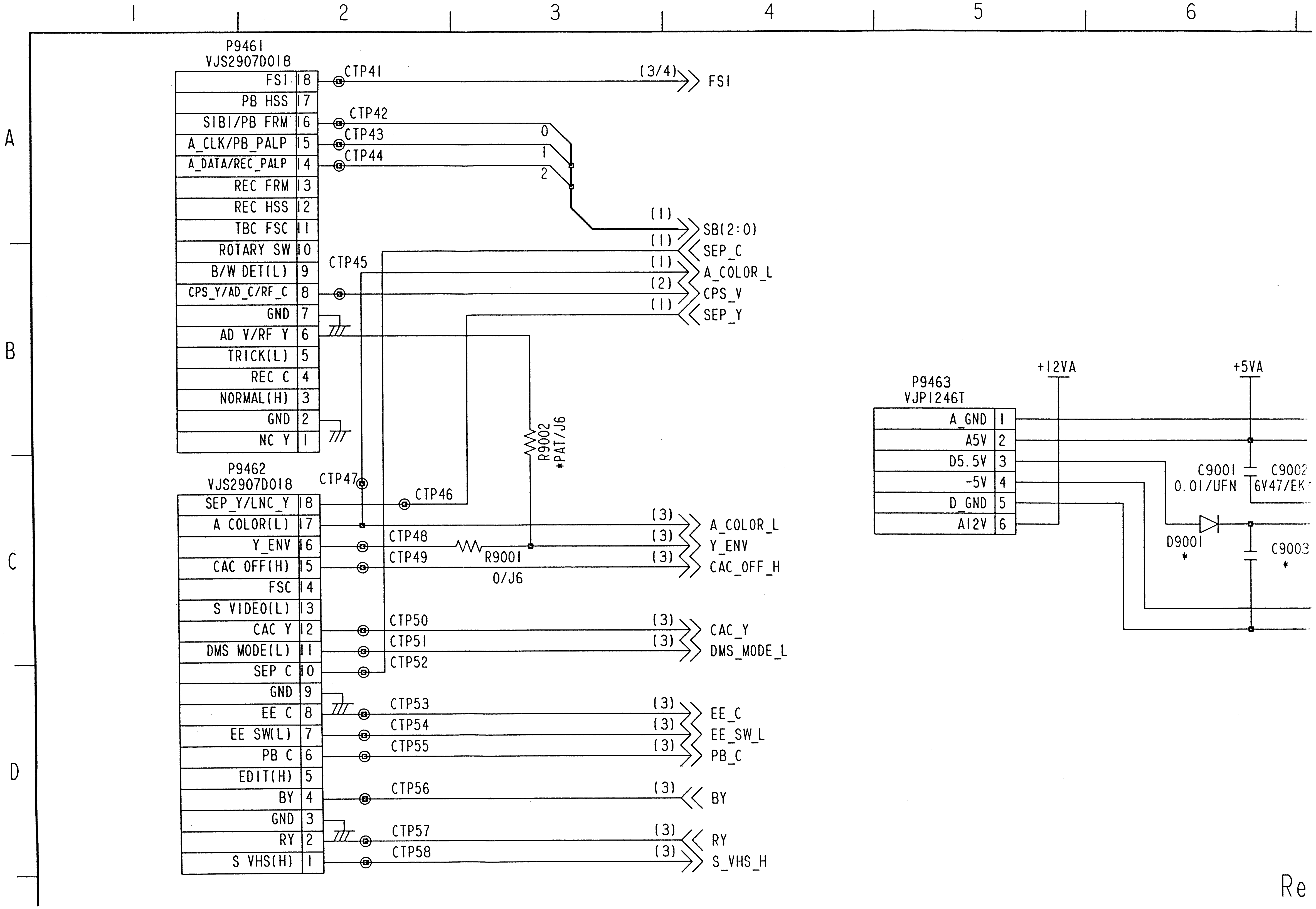

VCONT
GND
VOUT
GND
D/L
CONTROLLER
VCC
VIN
RCONT
RREF

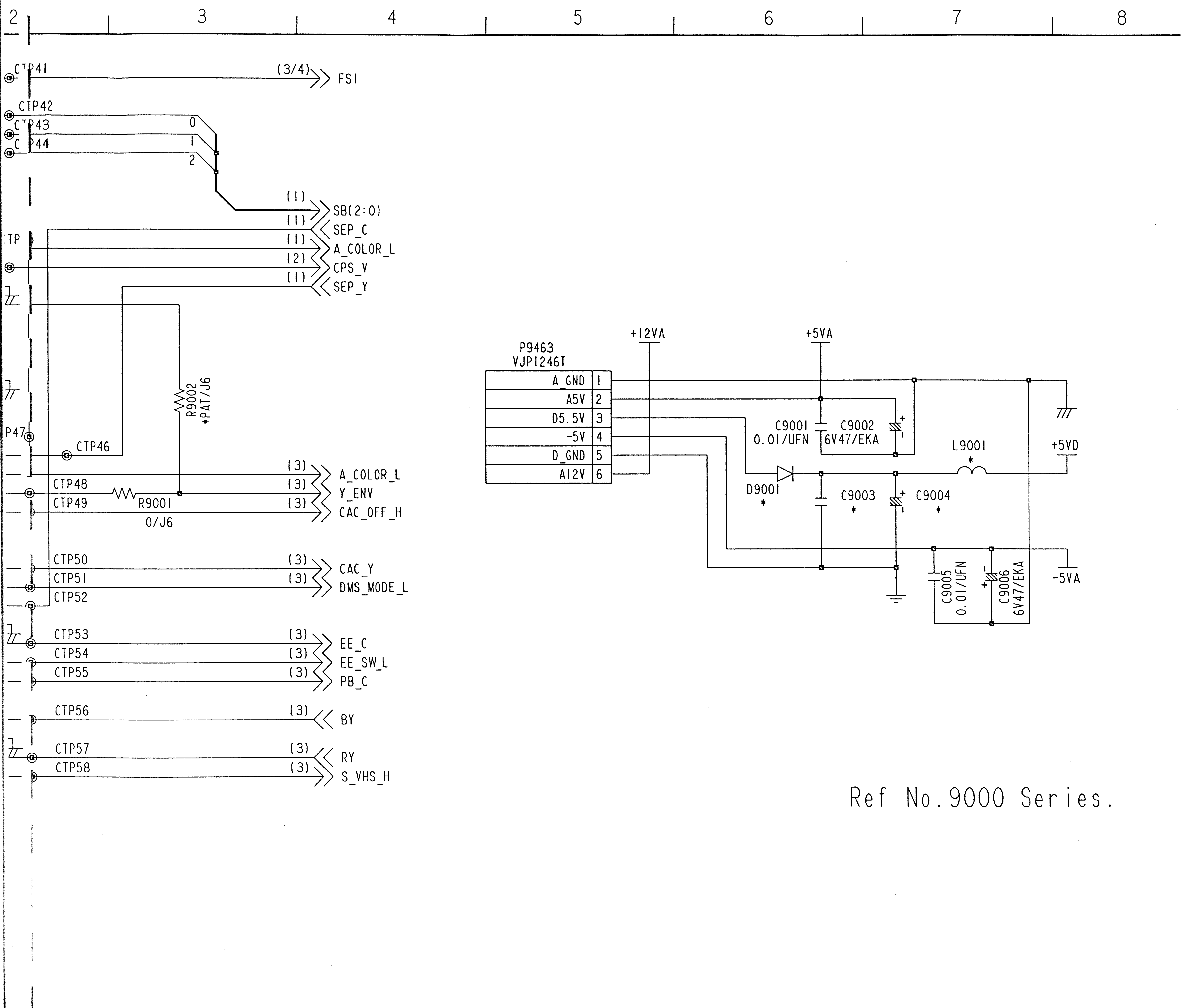
IC9403
M52350FP


NC
DIG OUT1
CDLY ADJ.
CLPF ADJ.
DLY CONT
CAI BIAS
PAL/NT
CIN
HEAD SW IN
HGP
VGP
CAYNCIN
VCC Y
Y IN
SETUP CONT.
NC
NC
DIG IN1
CNCFC1
CNCFC2
DIG OUT2
DIG IN2
GND C
OFFSET1
OFFSET2
OFFSET3
OFFSET4
NC
NC
Y OUT
T CONT.
ST CONT.
FSC IN
VCC C
GND Y
CAI CONT.
DIFF OUT1
MOD1 IN
DIFF OUT2
NC
NC
YLPF ADJ
DET CONT.
Y IN
SLICE
HHK
BGPW
BGPP.
PULSE
CCONT.
SCCONT.
C-OUT
CARI BAL2
CARI BAL1
MOD2 IN
NC
TEST SW1-1
CIN
HGP MMV
VGP MMV
SETUP CONTROL
TEST SW1-2
LPFC2
LPFC1
DEM2
DEM1
10dB AMP
TINT 90°SHIFTER
FSC IN
CLAMP CNC2
CLAMP CNC1
DEM 90°SHIFTER
TINT CONTROL
PAL:TINT OFF
TINT CONT. AMP
CAI LEVEL CONTROL
DLY1-1
DLY2-1
OFFSET CANCEL1,2
CAI1
DLY3-1
6dB AMP1
TEST SW2-1
DLY1-2
DLY2-2
OFFSET CANCEL3,4
CAI2
DLY3-2
6dB AMP2
TEST SW2-2
CAI DET Y
CAI DET C
CAI SW CONT.
TCONT.
STCONT.
TEST SW2 CONTROL
LPF Y
CAI DET CONT. (Y/C MIX)
MOD 90°SHIFTER
MOD1
MIX AMP
MOD2
CNCPC2
CLAMP·SLICE· SYNC SEPA
MMV·PULSE GEN.
TEST SW3
COLOR CONTROL
COLOR CONT. AMP

Ref No.9400 Series.

VIDEO C-4 SCHEMATIC DIAGRAM 4/5 (E13: Page CBA-4)


1
2
3
4
5
6
A
B
C
D
P9461
VJS2907D018
FSI 18
PB HSS 17
SIBI/PB FRM 16
A_CLK/PB_PALP 15
A_DATA/REC_PALP 14
REC FRM 13
REC HSS 12
TBC FSC 11
ROTARY SW 10
B/W DET(L) 9
CPS_Y/AD_C/RF_C 8
GND 7
AD V/RF Y 6
TRICK(L) 5
REC C 4
NORMAL(H) 3
GND 2
NC Y 1
CTP41
CTP42
CTP43
CTP44
CTP45
0
1
2
(3/4) FSI
(1) SB(2:0)
(1) SEP_C
(1) A_COLOR_L
(2) CPS_V
(1) SEP_Y
R9002
*PAT/J6
P9462
VJS2907D018
SEP_Y/LNC_Y 18
A COLOR(L) 17
Y_ENV 16
CAC OFF(H) 15
FSC 14
S VIDEO(L) 13
CAC Y 12
DMS MODE(L) 11
SEP C 10
GND 9
EE C 8
EE SW(L) 7
PB C 6
EDIT(H) 5
BY 4
GND 3
RY 2
S VHS(H) 1
CTP47
CTP46
CTP48
CTP49
R9001
0/J6
CTP50
CTP51
CTP52
CTP53
CTP54
CTP55
CTP56
CTP57
CTP58
(3) A_COLOR_L
(3) Y_ENV
(3) CAC_OFF_H
(3) CAC_Y
(3) DMS_MODE_L
(3) EE_C
(3) EE_SW_L
(3) PB_C
(3) BY
(3) RY
(3) S_VHS_H
P9463
VJP1246T
A_GND 1
A5V 2
D5.5V 3
-5V 4
D_GND 5
A12V 6
+12VA
+5VA
C9001
0.01/UFN
C9002
6V47/EK
D9001
*
C9003
*
Re


2
3
4
5
6
7
8
CTP41
(3/4)
FS1
CTP42
CTP43
P44
0
1
2
(1)
SB(2:0)
(1)
SEP_C
TP
(1)
A_COLOR_L
(2)
CPS_V
(1)
SEP_Y
R9002
*PAT/J6
P47
CTP46
(3)
A_COLOR_L
CTP48
(3)
Y_ENV
CTP49
R9001
0/J6
(3)
CAC_OFF_H
CTP50
(3)
CAC_Y
CTP51
(3)
DMS_MODE_L
CTP52
CTP53
(3)
EE_C
CTP54
(3)
EE_SW_L
CTP55
(3)
PB_C
CTP56
(3)
BY
CTP57
(3)
RY
CTP58
(3)
S_VHS_H
P9463
VJP1246T
A_GND 1
A5V 2
D5.5V 3
-5V 4
D_GND 5
A12V 6
+12VA
+5VA
C9001
0.01/UFN
C9002
6V47/EKA
L9001
*
+5VD
D9001
*
C9003
*
C9004
*
C9005
0.01/UFN
C9006
6V47/EKA
-5VA

Ref No.9000 Series.

VIDEO C COMPARISON CHART 5/5 (E13: Page CBA-4)

REF	AG-DS850	AG-DS840
C9003	0.01/UFN	*PAT/UFN
C9004	6V47/EKA	*PAT/EKA
C9101	0.1/UFN	*PAT/UFN
C9102	0.1/UFN	*PAT/UFN
C9103	0.01/UFN	*PAT/UFN
C9104	0.01/UFN	*PAT/UFN
C9105	16V10/EKA	*PAT/EKA
C9106	16V47/EKA	*PAT/EKA
C9107	50V1/EKA	*PAT/EKA
C9111	0.1/UFN	*PAT/UFN
C9112	0.1/UFN	*PAT/UFN
C9113	0.1/UFN	*PAT/UFN
C9114	0.1/UFN	*PAT/UFN
C9115	0.1/UFN	*PAT/UFN
C9116	0.1/UFN	*PAT/UFN
C9117	0.1/UFN	*PAT/UFN
C9118	0.1/UFN	*PAT/UFN
C9126	0.01/UFN	*PAT/UFN
C9127	0.1/UFN	*PAT/UFN
C9128	0.1/UFN	*PAT/UFN
C9129	0.1/UFN	*PAT/UFN
C9200	0.01/UFN	*PAT/UFN
C9201	6V47/EKA	*PAT/EKA
C9202	47P/UN	*PAT/UN
C9203	120P/UN	*PAT/UN
C9204	0.01/UFN	*PAT/UFN
C9205	6V47/EKA	*PAT/EKA
C9206	0.01/UFN	*PAT/UFN
C9207	22P/UN	*PAT/UN
C9208	16V10/EKA	*PAT/EKA
C9209	16V10/EKA	*PAT/EKA
C9210	16V10/EKA	*PAT/EKA
C9211	0.01/UFN	*PAT/UFN
C9212	0.1/UFN	*PAT/UFN
C9213	0.01/UFN	*PAT/UFN
C9214	6V100/EKA	*PAT/EKA
C9215	16V10/EKA	*PAT/EKA
C9216	0.1/UFN	*PAT/UFN
C9217	0.01/UFN	*PAT/UFN
C9218	0.01/UFN	*PAT/UFN
C9219	6V47/EKA	*PAT/EKA
C9220	0.1/UFN	*PAT/UFN
C9221	50V0R1/EKA	*PAT/EKA
C9222	0.1/UFN	*PAT/UFN
C9223	25V4R7/EKA	*PAT/EKA

REF	AG-DS850	AG-DS840
C9224	0.022/UBN	*PAT/UBN
C9225	6V47/EKA	*PAT/EKA
C9226	0.1/UFN	*PAT/UFN
C9227	68P/UN	*PAT/UN
C9228	0.1/UFN	*PAT/UFN
C9229	18P/UN	*PAT/UN
C9230	0.1/UFN	*PAT/UFN
C9231	0.01/UFN	*PAT/UFN
C9232	0.1/UFN	*PAT/UFN
C9233	6V47/EKA	*PAT/EKA
C9234	0.1/UFN	*PAT/UFN
C9235	6V47/EKA	*PAT/EKA
C9236	0.01/UFN	*PAT/UFN
C9237	0.01/UFN	*PAT/UFN
C9238	1000P/UN	*PAT/UN
C9239	50V1/EKA	*PAT/EKA
C9240	0.01/UFN	*PAT/UFN
C9241	50V1/EKA	*PAT/EKA
C9242	220P/UN	*PAT/UN
C9243	1500P	*PAT
C9244	0.01/UFN	*PAT/UFN
C9245	0.01/UFN	*PAT/UFN
C9246	6V47/EKA	*PAT/EKA
C9247	25V4R7/EKA	*PAT/EKA
C9248	*PAT/UFN	*PAT/UFN
C9249	100P/UN	*PAT/UN
C9251	47P/UN	*PAT/UN
C9416	*PAT/UFN	*PAT/UFN
C9417	*PAT/UFN	*PAT/UFN
C9419	*PAT/UFN	*PAT/UFN
C9420	*PAT/UFN	*PAT/UFN
C9421	*PAT/UFN	*PAT/UFN
C9468	0.01/UFN	*PAT/UFN
C9469	*PAT/UFN	*PAT/UFN
C9470	*PAT/UFN	*PAT/UFN
C9480	*PAT/UFN	*PAT/UFN
C9490	6V47/EKA	*PAT/EKA
D9001	11EQS04	*PAT
D9221	MA151K-TW	*PAT
IC9101	UPD42280G3E1	*PAT
IC9102	UPD42280G3E1	*PAT
IC9103	UPD6480GF3BA	*PAT
IC9104	UPC664GSE2	*PAT
IC9105	UPD6481GC3B6	*PAT
IC9201	UPC659GE2	*PAT

REF	AG-DS850	AG-DS840
IC9202	UPC1860GSE2	*PAT
IC9204	TC7S08FTE85R	*PAT
IC9222	AN78N05	*PAT
IC9409	*PAT	*PAT
L9001	VLP0133-T	*PAT
L9101	100U	*PAT
L9102	100U	*PAT
L9201	10U/QE	*PAT/QE
L9202	100U	*PAT
L9203	100U	*PAT
L9204	100U	*PAT
L9205	100U	*PAT
L9406	*PAT/QE	*PAT/QE
L9412	*PAT/QE	*PAT/QE
L9413	*PAT/QE	*PAT/QE
Q9101	MSD601-RT2	*PAT
Q9102	MSD601-RT2	*PAT
Q9103	MSD601-RT2	*PAT
Q9201	MSD601-RT2	*PAT
Q9202	MSD601-RT2	*PAT
Q9203	MSD601-RT2	*PAT
Q9204	MSD601-RT2	*PAT
Q9205	MSD601-RT2	*PAT
Q9206	MSB709-RT2	*PAT
Q9403	MSD601-RT2	*PAT
Q9404	MSB709-RT2	*PAT
Q9405	*PAT	*PAT
Q9406	*PAT	*PAT
Q9420	MSB709-RT2	*PAT
Q9422	MSD601-RT2	*PAT
QR9405	MRN1404TE85R	*PAT
QR9407	MRN2404TE85R	*PAT
QR9408	MRN1404TE85R	*PAT
R9002	*PAT/J6	*PAT/J6
R9101	0/J6	*PAT/J6
R9102	1000/J6	*PAT/J6
R9103	1000/J6	*PAT/J6
R9104	1M/J6	*PAT/J6
R9105	33/J6	*PAT/J6
R9106	33/J6	*PAT/J6
R9107	22K/J6	*PAT/J6
R9108	22K/J6	*PAT/J6
R9109	22K/J6	*PAT/J6
R9110	0/J6	*PAT/J6

REF	AG-DS850	AG-DS840
R9111	0/J6	*PAT/J6
R9203	1M/J6	*PAT/J6
R9204	4700/J6	*PAT/J6
R9205	18K/J6	*PAT/J6
R9206	100/J6	*PAT/J6
R9207	510/J6	*PAT/J6
R9208	150/J6	*PAT/J6
R9209	4700/J6	*PAT/J6
R9210	680/J6	*PAT/J6
R9211	220/J6	*PAT/J6
R9212	47K/J6	*PAT/J6
R9213	220/J6	*PAT/J6
R9214	47K/J6	*PAT/J6
R9215	100K/J6	*PAT/J6
R9216	2200/J6	*PAT/J6
R9217	270/J6	*PAT/J6
R9218	2700/J6	*PAT/J6
R9219	8200/J6	*PAT/J6
R9220	1500/J6	*PAT/J6
R9221	10K/J6	*PAT/J6
R9222	10K/J6	*PAT/J6
R9223	1000/J6	*PAT/J6
R9224	33K/J6	*PAT/J6
R9225	10K/J6	*PAT/J6
R9226	22K/J6	*PAT/J6
R9227	10K/J6	*PAT/J6
R9228	1200/J6	*PAT/J6
R9229	560/J6	*PAT/J6
R9230	10K/J6	*PAT/J6
R9231	10K/J6	*PAT/J6
R9232	680/J6	*PAT/J6
R9234	390/J6	*PAT/J6
R9235	33/J6	*PAT/J6
R9236	390/J6	*PAT/J6
R9237	1000/J6	*PAT/J6
R9238	1000/J6	*PAT/J6
R9239	0/J6	*PAT/J6
R9240	47K/J6	*PAT/J6
R9405	0/J6	*PAT/J6
R9409	4700/J6	*PAT/J6
R9410	10K/J6	*PAT/J6
R9428	*PAT/J6	*PAT/J6
R9430	470/J6	*PAT/J6
R9444	*PAT/J6	*PAT/J6
R9446	1M/J6	*PAT/J6

REF
R9447
R9448
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R9452
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R9454
R9455
R9457
R9460
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R9469
R9471
R9472
R9488
R9495
R9496
R9497
R9504
VR940
VR940
X9201
X9202

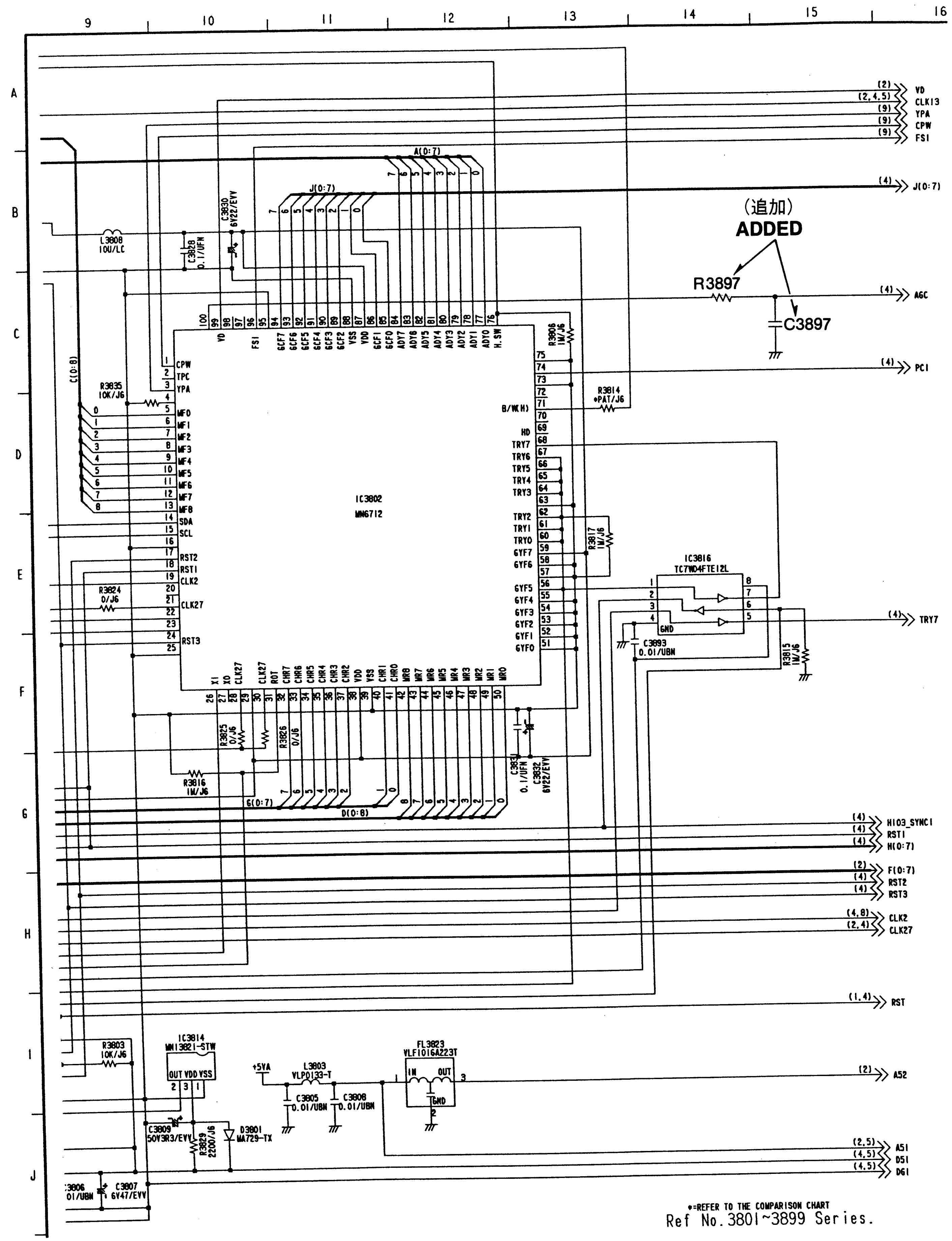
REF	AG-DS850	AG-DS840
IC9202	UPC1860GSE2	*PAT
IC9204	TC7S08FTE85R	*PAT
IC9222	AN78N05	*PAT
IC9409	*PAT	*PAT
L9001	VLP0133-T	*PAT
L9101	100U	*PAT
L9102	100U	*PAT
L9201	10U/QE	*PAT/QE
L9202	100U	*PAT
L9203	100U	*PAT
L9204	100U	*PAT
L9205	100U	*PAT
L9406	*PAT/QE	*PAT/QE
L9412	*PAT/QE	*PAT/QE
L9413	*PAT/QE	*PAT/QE
Q9101	MSD601-RT2	*PAT
Q9102	MSD601-RT2	*PAT
Q9103	MSD601-RT2	*PAT
Q9201	MSD601-RT2	*PAT
Q9202	MSD601-RT2	*PAT
Q9203	MSD601-RT2	*PAT
Q9204	MSD601-RT2	*PAT
Q9205	MSD601-RT2	*PAT
Q9206	MSB709-RT2	*PAT
Q9403	MSD601-RT2	*PAT
Q9404	MSB709-RT2	*PAT
Q9405	*PAT	*PAT
Q9406	*PAT	*PAT
Q9420	MSB709-RT2	*PAT
Q9422	MSD601-RT2	*PAT
QR9405	MRN1404TE85R	*PAT
QR9407	MRN2404TE85R	*PAT
QR9408	MRN1404TE85R	*PAT
R9002	*PAT/J6	*PAT/J6
R9101	0/J6	*PAT/J6
R9102	1000/J6	*PAT/J6
R9103	1000/J6	*PAT/J6
R9104	1M/J6	*PAT/J6
R9105	33/J6	*PAT/J6
R9106	33/J6	*PAT/J6
R9107	22K/J6	*PAT/J6
R9108	22K/J6	*PAT/J6
R9109	22K/J6	*PAT/J6
R9110	0/J6	*PAT/J6

REF	AG-DS850	AG-DS840
R9111	0/J6	*PAT/J6
R9203	1M/J6	*PAT/J6
R9204	4700/J6	*PAT/J6
R9205	18K/J6	*PAT/J6
R9206	100/J6	*PAT/J6
R9207	510/J6	*PAT/J6
R9208	150/J6	*PAT/J6
R9209	4700/J6	*PAT/J6
R9210	680/J6	*PAT/J6
R9211	220/J6	*PAT/J6
R9212	47K/J6	*PAT/J6
R9213	220/J6	*PAT/J6
R9214	47K/J6	*PAT/J6
R9215	100K/J6	*PAT/J6
R9216	2200/J6	*PAT/J6
R9217	270/J6	*PAT/J6
R9218	2700/J6	*PAT/J6
R9219	8200/J6	*PAT/J6
R9220	1500/J6	*PAT/J6
R9221	10K/J6	*PAT/J6
R9222	10K/J6	*PAT/J6
R9223	1000/J6	*PAT/J6
R9224	33K/J6	*PAT/J6
R9225	10K/J6	*PAT/J6
R9226	22K/J6	*PAT/J6
R9227	10K/J6	*PAT/J6
R9228	1200/J6	*PAT/J6
R9229	560/J6	*PAT/J6
R9230	10K/J6	*PAT/J6
R9231	10K/J6	*PAT/J6
R9232	680/J6	*PAT/J6
R9234	390/J6	*PAT/J6
R9235	33/J6	*PAT/J6
R9236	390/J6	*PAT/J6
R9237	1000/J6	*PAT/J6
R9238	1000/J6	*PAT/J6
R9239	0/J6	*PAT/J6
R9240	47K/J6	*PAT/J6
R9405	0/J6	*PAT/J6
R9409	4700/J6	*PAT/J6
R9410	10K/J6	*PAT/J6
R9428	*PAT/J6	*PAT/J6
R9430	470/J6	*PAT/J6
R9444	*PAT/J6	*PAT/J6
R9446	1M/J6	*PAT/J6

REF	AG-DS850	AG-DS840
R9447	2200/J6	*PAT/J6
R9448	680/J6	*PAT/J6
R9449	1500/J6	*PAT/J6
R9452	*PAT/J6	*PAT/J6
R9453	*PAT/J6	*PAT/J6
R9454	*PAT/J6	*PAT/J6
R9455	*PAT/J6	*PAT/J6
R9457	*PAT/J6	*PAT/J6
R9460	*PAT/J6	*PAT/J6
R9463	*PAT/J6	*PAT/J6
R9469	1500/J6	*PAT/J6
R9471	*PAT/J6	*PAT/J6
R9472	*PAT/J6	*PAT/J6
R9488	*PAT/J6	*PAT/J6
R9495	*PAT/J6	*PAT/J6
R9496	*PAT/J6	*PAT/J6
R9497	*PAT/J6	*PAT/J6
R9504	33K/J6	*PAT/J6
VR9401	EVN32CA00B23	*PAT
VR9405	EVN32CA00B14	*PAT
X9201	VSX0549	*PAT
X9202	VSX0330	*PAT

VIDEO DIGITAL-3 SCHEMATIC DIAGRAM 3/10 (E6)

: See Page SCM-23 (AG-DS850P S/M)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16
A
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C
D
E
F
G
H
I
J
VD
CLK13
YPA
CPW
FSI
A(0:7)
J(0:7)
(追加)
ADDED
R3897
C3897
AGC
PCI
L3808
10U/LC
C3828
0.1/UFN
C3830
6V22/EVY
R3835
10K/J6
C(0:8)
IC3802
MN6712
R3806
1M/J6
R3814
*PAT/J6
R3817
1M/J6
IC3816
TC7W04FTE12L
GND
C3893
0.01/UBN
R3815
1M/J6
TRY7
R3824
0/J6
R3825
0/J6
R3826
0/J6
R3816
1M/J6
G(0:7)
D(0:8)
C3831
0.1/UFN
C3832
6V22/EVY
H103_SYNC1
RST1
H(0:7)
F(0:7)
RST2
RST3
CLK2
CLK27
RST
R3803
10K/J6
IC3814
MN13821-STW
OUT VDD VSS
+5VA
L3803
VLP0133-T
C3805
0.01/UBN
C3808
0.01/UBN
FL3823
VLF1016AZ23T
IN
OUT
GND
C3809
50V3R3/EVY
R3829
2200/J6
D3801
MA729-TX
A52
A51
D51
DG1
C3806
0.01/UBN
C3807
6V47/EVY
*=REFER TO THE COMPARISON CHART
Ref No.3801~3899 Series.

VIDEO DIGITAL COMPARISON CHART (E6)

REF	AG-DS850	AG-DS840
C3602	0.01	*PAT
C3603	0.01	*PAT
C3604	6.3V47	*PAT
C3606	0.1	*PAT
C3607	0.1	*PAT
C3608	0.1	*PAT
C3609	0.1	*PAT
C3610	0.1	*PAT
C3611	0.1	*PAT
C3612	0.1	*PAT
C3613	0.1	*PAT
C3615	0.1	*PAT
C3617	0.1	*PAT
C3618	0.1	*PAT
C3619	0.1	*PAT
C3620	0.1	*PAT
C3622	68P	*PAT
C3650	*PAT	*PAT
C3651	0.1	*PAT
C3652	0.01	*PAT
C3653	*PAT	*PAT
C3654	10P	*PAT
C3655	47P	*PAT
C3656	0.1	*PAT
C3657	0.1	*PAT
C3658	0.1	*PAT
C3671	50V4.7	*PAT
C3672	1000P	*PAT
C3673	0.01	*PAT
C3674	0.01	*PAT
C3675	6P	*PAT
C3676	0.01	*PAT
C3677	6.3V47	*PAT
C3691	120P	*PAT
C3692	120P	*PAT
C3693	33P	*PAT
C3694	120P	*PAT
C3695	120P	*PAT
C3696	120P	*PAT
C3701	0.01	*PAT
C3702	6.3V47	*PAT
C3703	0.01	*PAT
C3704	6.3V47	*PAT
C3705	100P	*PAT
C3706	270P	*PAT
C3707	6.3V47	*PAT
C3708	0.1	*PAT
C3709	0.047	*PAT
C3710	560P	*PAT
C3711	0.01	*PAT
C3712	16V47	*PAT
C3713	*PAT	*PAT
C3716	0.1	*PAT
C3883	0.01	*PAT
C3897	33P	*PAT
D3655	MA704-TW	*PAT
D3656	MA704-TW	*PAT
D3701	MA153-TW	*PAT
D3702	MA151K-TW	*PAT
D3703	*PAT	*PAT
D3706	MA151K-TW	*PAT
D3901	*PAT	*PAT
D3902	MA151K-TW	*PAT
IC3602	SN74LS221NSR	TC74H123AFR
IC3691	MC74HC74AF-R	*PAT
IC3701	TA7357P	*PAT
IC3801	MN6711A	MN6711A1
IC3803	MN67101	MN67101A
IC3804	MN67102	MN67102A
IC3901	MN170804VMFA	MN170804VMFB
L3602	*PAT	*PAT
L3671	100U	*PAT
L3691	3.3U	*PAT
L3692	3.3U	*PAT
L3693	220U	*PAT
L3701	100U	*PAT
L3702	100U	*PAT
L3704	*PAT	*PAT
Q3691	MSB709-R	*PAT
Q3693	MSB709-R	*PAT
Q3701	MSD601-R	*PAT
Q3702	MSD601-R	*PAT
Q3703	MSD601-R	*PAT
Q3782	*PAT	*PAT
QR3704	MRN1404	*PAT
QR3705	MRN1404	*PAT
QR3771	*PAT	*PAT
R3601	0	*PAT
R3603	0	*PAT
R3605	0	*PAT
R3606	*PAT	*PAT
R3610	0	*PAT
R3611	*PAT	*PAT
R3612	220	*PAT

16
VD
CLK13
YPA
CPW
FS1
J(0:7)
AGC
PC1
TRY7
H103_SYNC1
A52
A51
D51
D61

VIDEO DIGITAL COMPARISON CHART (E6)

REF	AG-DS850	AG-DS840
C3602	0.01	*PAT
C3603	0.01	*PAT
C3604	6.3V47	*PAT
C3606	0.1	*PAT
C3607	0.1	*PAT
C3608	0.1	*PAT
C3609	0.1	*PAT
C3610	0.1	*PAT
C3611	0.1	*PAT
C3612	0.1	*PAT
C3613	0.1	*PAT
C3615	0.1	*PAT
C3617	0.1	*PAT
C3618	0.1	*PAT
C3619	0.1	*PAT
C3620	0.1	*PAT
C3622	68P	*PAT
C3650	*PAT	*PAT
C3651	0.1	*PAT
C3652	0.01	*PAT
C3653	*PAT	*PAT
C3654	10P	*PAT
C3655	47P	*PAT
C3656	0.1	*PAT
C3657	0.1	*PAT
C3658	0.1	*PAT
C3671	50V4.7	*PAT
C3672	1000P	*PAT
C3673	0.01	*PAT
C3674	0.01	*PAT
C3675	6P	*PAT
C3676	0.01	*PAT
C3677	6.3V47	*PAT
C3691	120P	*PAT
C3692	120P	*PAT
C3693	33P	*PAT
C3694	120P	*PAT
C3695	120P	*PAT
C3696	120P	*PAT
C3701	0.01	*PAT
C3702	6.3V47	*PAT
C3703	0.01	*PAT
C3704	6.3V47	*PAT
C3705	100P	*PAT
C3706	270P	*PAT
C3707	6.3V47	*PAT
C3708	0.1	*PAT

REF	AG-DS850	AG-DS840
C3709	0.047	*PAT
C3710	560P	*PAT
C3711	0.01	*PAT
C3712	16V47	*PAT
C3713	*PAT	*PAT
C3716	0.1	*PAT
C3883	0.01	*PAT
C3897	33P	*PAT
D3655	MA704-TW	*PAT
D3656	MA704-TW	*PAT
D3701	MA153-TW	*PAT
D3702	MA151K-TW	*PAT
D3703	*PAT	*PAT
D3706	MA151K-TW	*PAT
D3901	*PAT	*PAT
D3902	MA151K-TW	*PAT
IC3602	SN74LS221NSR	TC74H123AFR
IC3691	MC74HC74AF-R	*PAT
IC3701	TA7357P	*PAT
IC3801	MN6711A	MN6711A1
IC3803	MN67101	MN67101A
IC3804	MN67102	MN67102A
IC3901	MN170804VMFA	MN170804VMFB
L3602	*PAT	*PAT
L3671	100U	*PAT
L3691	3.3U	*PAT
L3692	3.3U	*PAT
L3693	220U	*PAT
L3701	100U	*PAT
L3702	100U	*PAT
L3704	*PAT	*PAT
Q3691	MSB709-R	*PAT
Q3693	MSB709-R	*PAT
Q3701	MSD601-R	*PAT
Q3702	MSD601-R	*PAT
Q3703	MSD601-R	*PAT
Q3782	*PAT	*PAT
QR3704	MRN1404	*PAT
QR3705	MRN1404	*PAT
QR3771	*PAT	*PAT
R3601	0	*PAT
R3603	0	*PAT
R3605	0	*PAT
R3606	*PAT	*PAT
R3610	0	*PAT
R3611	*PAT	*PAT
R3612	220	*PAT

REF	AG-DS850	AG-DS840
R3613	4700	*PAT
R3614	1K	*PAT
R3615	3300	*PAT
R3616	3300	*PAT
R3617	4700	*PAT
R3618	1K	*PAT
R3619	220	*PAT
R3620	0	*PAT
R3621	*PAT	*PAT
R3622	*PAT	*PAT
R3623	0	*PAT
R3624	*PAT	*PAT
R3625	0	*PAT
R3626	0	*PAT
R3627	*PAT	*PAT
R3628	*PAT	*PAT
R3629	0	*PAT
R3630	*PAT	*PAT
R3631	0	*PAT
R3636	33K	*PAT
R3642	1K	*PAT
R3644	1M	*PAT
R3651	1K	*PAT
R3652	47K	*PAT
R3653	*PAT	*PAT
R3654	*PAT	*PAT
R3655	*PAT	*PAT
R3656	0	*PAT
R3657	*PAT	*PAT
R3658	*PAT	*PAT
R3659	0	*PAT
R3660	*PAT	*PAT
R3662	*PAT	*PAT
R3663	*PAT	*PAT
R3667	*PAT	*PAT
R3671	360	*PAT
R3672	3900	*PAT
R3673	*PAT	150K
R3673	68K	*PAT
R3689	1800	*PAT
R3690	*PAT	*PAT
R3692	*PAT	0
R3693	0	*PAT
R3694	2200	*PAT
R3695	4700	*PAT
R3696	2700	*PAT
R3697	1K	*PAT

REF	AG-DS850	AG-DS840
R3698	47	*PAT
R3699	4700	*PAT
R3701	100	*PAT
R3702	1K	*PAT
R3703	*PAT	*PAT
R3704	2200	*PAT
R3705	120K	*PAT
R3706	12K	*PAT
R3707	470K	*PAT
R3708	4700	*PAT
R3709	47K	*PAT
R3711	*PAT	*PAT
R3712	*PAT	*PAT
R3721	*PAT	*PAT
R3722	10K	*PAT
R3723	4700	*PAT
R3785	*PAT	*PAT
R3787	*PAT	*PAT
R3796	*PAT	*PAT
R3797	*PAT	*PAT
R3798	*PAT	*PAT
R3799	*PAT	*PAT
R3814	*PAT	*PAT
R3863	*PAT	*PAT
R3892	*PAT	*PAT
R3897	*PAT	270
R3916	10K	*PAT
R3929	*PAT	*PAT
R3930	*PAT	*PAT
R3931	*PAT	*PAT
R3932	*PAT	*PAT
R3934	*PAT	*PAT
R3936	*PAT	*PAT
R3940	*PAT	*PAT
R3941	*PAT	*PAT
R3943	*PAT	*PAT
R3945	*PAT	*PAT
R3946	*PAT	*PAT
R3947	*PAT	*PAT
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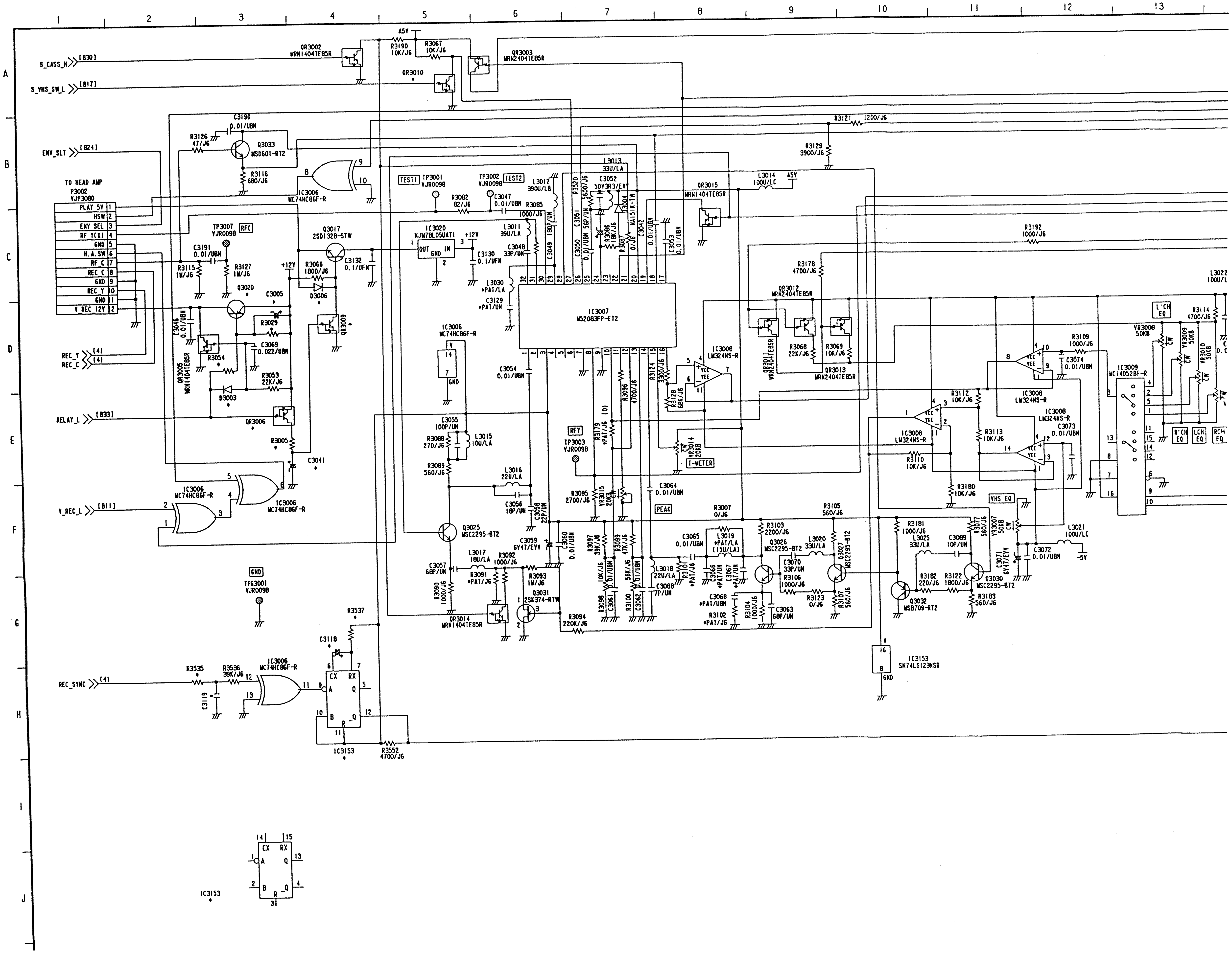
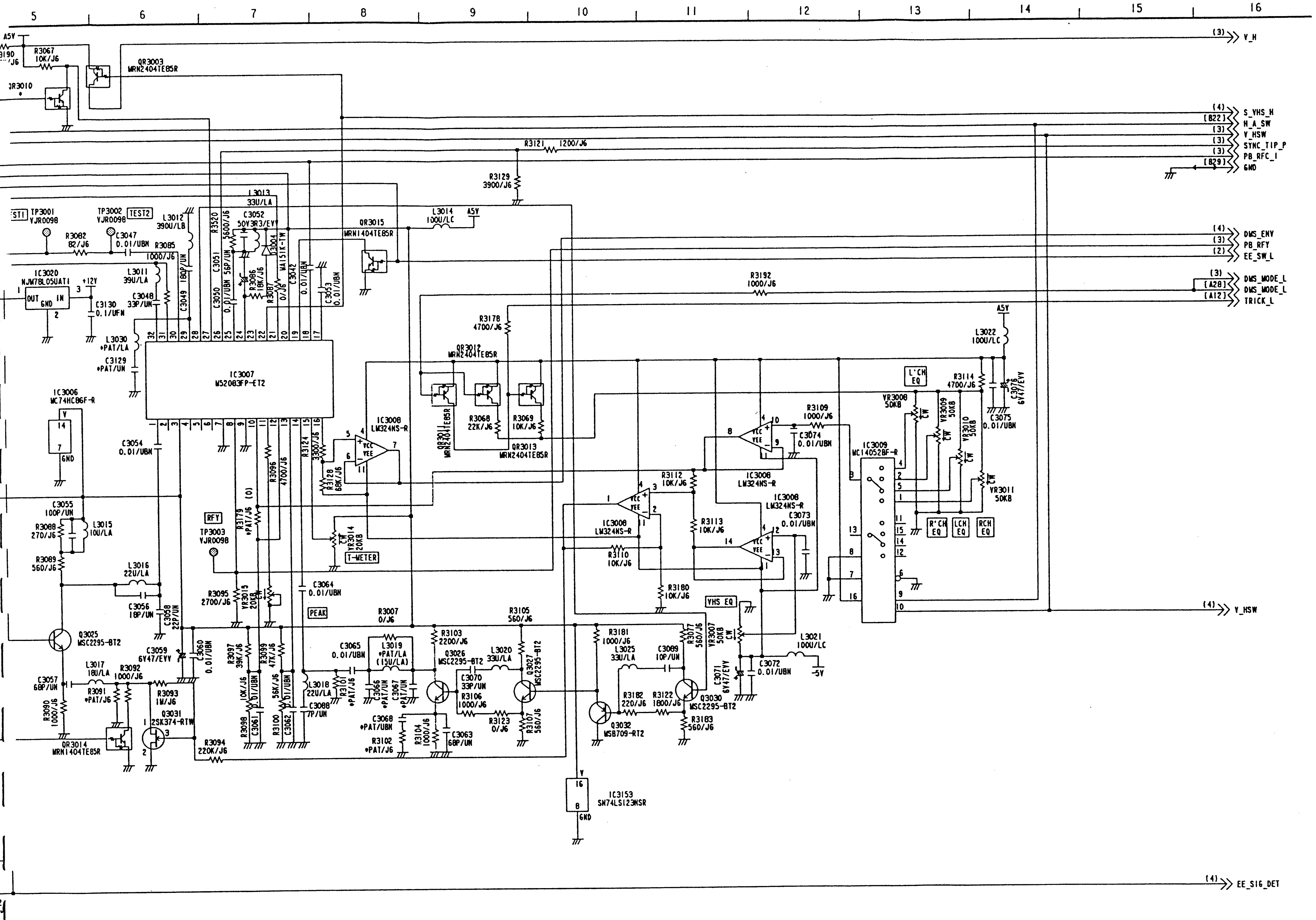
TP3772	*PAT	VJR0098

VIDEO I/O-1 SCHEMATIC DIAGRAM 1/6 (E5: Page CBA-5)


S_CASS_H [B30]
S_VHS_SW_L [B17]
ENV_SLT [B24]
TO HEAD AMP
P3002
VJP3080
PLAY 5V
HSW
ENV SEL
RF Y(X)
GND
H.A.SW
RF C
REC C
GND
REC Y
GND
V REC 12V
REC_Y [4]
REC_C [4]
RELAY_L [B33]
V_REC_L [B11]
REC_SYNC [4]
QR3002 MRN1404TE85R
QR3003 MRN2404TE85R
QR3010
R3190 10K/J6
R3067 10K/J6
A5V
C3190 0.01/UBN
R3126 47/J6
Q3033 MSD601-RT2
R3116 680/J6
IC3006 MC74HC86F-R
TP3007 VJR0098
RFC
Q3017 2SD1328-STW
C3132 0.1/UFN
C3191 0.01/UBN
R3115 1M/J6
R3127 1M/J6
R3066 1800/J6
D3006
QR3009
Q3020
C3005
R3029
C3046 0.01/UBN
QR3005 MRN1404TE85R
R3054
C3069 0.022/UBN
R3053 22K/J6
D3003
QR3006
R3005
C3041
TEST1 TP3001 VJR0098
TP3002 TEST2 VJR0098
R3082 82/J6
C3047 0.01/UBN
R3085 1000/J6
L3012 390U/LB
IC3020 NJM78L05UA71
+12V
C3130 0.1/UFN
L3011 39U/LA
C3048 33P/UN
L3030 *PAT/LA
C3129 *PAT/UN
C3049 180P/UN
C3050 0.01/UBN
C3051 56P/UN
R3520 5600/J6
L3013 33U/LA
C3052 50V3R3/EVY
R3096 18K/J6
R3087 0/J6
D3004 MA151K-TW
C3042 0.01/UBN
C3053 0.01/UBN
IC3007 M52083FP-ET2
QR3015 MRN1404TE85R
L3014 100U/LC
R3121 1200/J6
R3129 3900/J6
R3192 1000/J6
R3178 4700/J6
QR3012 MRN2404TE85R
QR3011 MRN2404TE85R
R3068 22K/J6
R3069 10K/J6
QR3013 MRN2404TE85R
IC3008 LM324NS-R
R3128 68K/J6
R3124 3300/J6
R3096 4700/J6
R3179 *PAT/J6
C3054 0.01/UBN
IC3006 MC74HC86F-R
C3055 100P/UN
R3088 270/J6
L3015 10U/LA
R3089 560/J6
L3016 22U/LA
C3056 18P/UN
C3058 22P/UN
RFY
TP3003 VJR0098
VR3014 20KB
T-METER
C3064 0.01/UBN
R3095 2700/J6
VR3015 20KB
PEAK
Q3025 MSC2295-BT2
C3059 6V47/EVY
C3060 0.01/UBN
C3057 68P/UN
L3017 18U/LA
R3092 1000/J6
R3091 *PAT/J6
R3093 1M/J6
R3090 1000/J6
QR3014 MRN1404TE85R
Q3031 2SK374-RTW
R3094 220K/J6
R3097 39K/J6
R3098 10K/J6
C3061 0.01/UBN
R3099 47K/J6
R3100 56K/J6
C3062 0.01/UBN
R3007 0/J6
C3065 0.01/UBN
L3019 *PAT/LA (15U/LA)
L3018 22U/LA
C3088 7P/UN
C3066 *PAT/UN
C3067 *PAT/UN
R3101 *PAT/J6
R3103 2200/J6
Q3026 MSC2295-BT2
L3020 33U/LA
C3070 33P/UN
R3106 1000/J6
C3068 *PAT/UBN
R3102 *PAT/J6
R3104 1000/J6
C3063 68P/UN
R3123 0/J6
R3105 560/J6
Q3027 MSC2295-BT2
R3107 560/J6
IC3153 SN74LS123NSR
R3181 1000/J6
L3025 33U/LA
C3069 10P/UN
R3077 560/J6
Q3032 MSB709-RT2
R3182 220/J6
R3122 1800/J6
Q3030 MSC2295-BT2
R3183 560/J6
C3071 6V47/EVY
VR3007 50KB C/W
YHS EQ
C3072 0.01/UBN
L3021 100U/LC
-5V
R3180 10K/J6
R3110 10K/J6
R3112 10K/J6
R3113 10K/J6
IC3008 LM324NS-R
C3073 0.01/UBN
R3109 1000/J6
C3074 0.01/UBN
IC3009 MC14052BF-R
VR3008 50KB
VR3009 50KB
VR3010 50KB
L'CH EQ
R'CH EQ
LCH EQ
RCH EQ
R3114 4700/J6
L3022 100U/L
GND
TPG3001 VJR0098
R3537
C3118
R3535
R3536 39K/J6
C3119
IC3006 MC74HC86F-R
CX RX A Q B R Q
IC3153
R3552 4700/J6
IC3153

E5: Page CBA-5)



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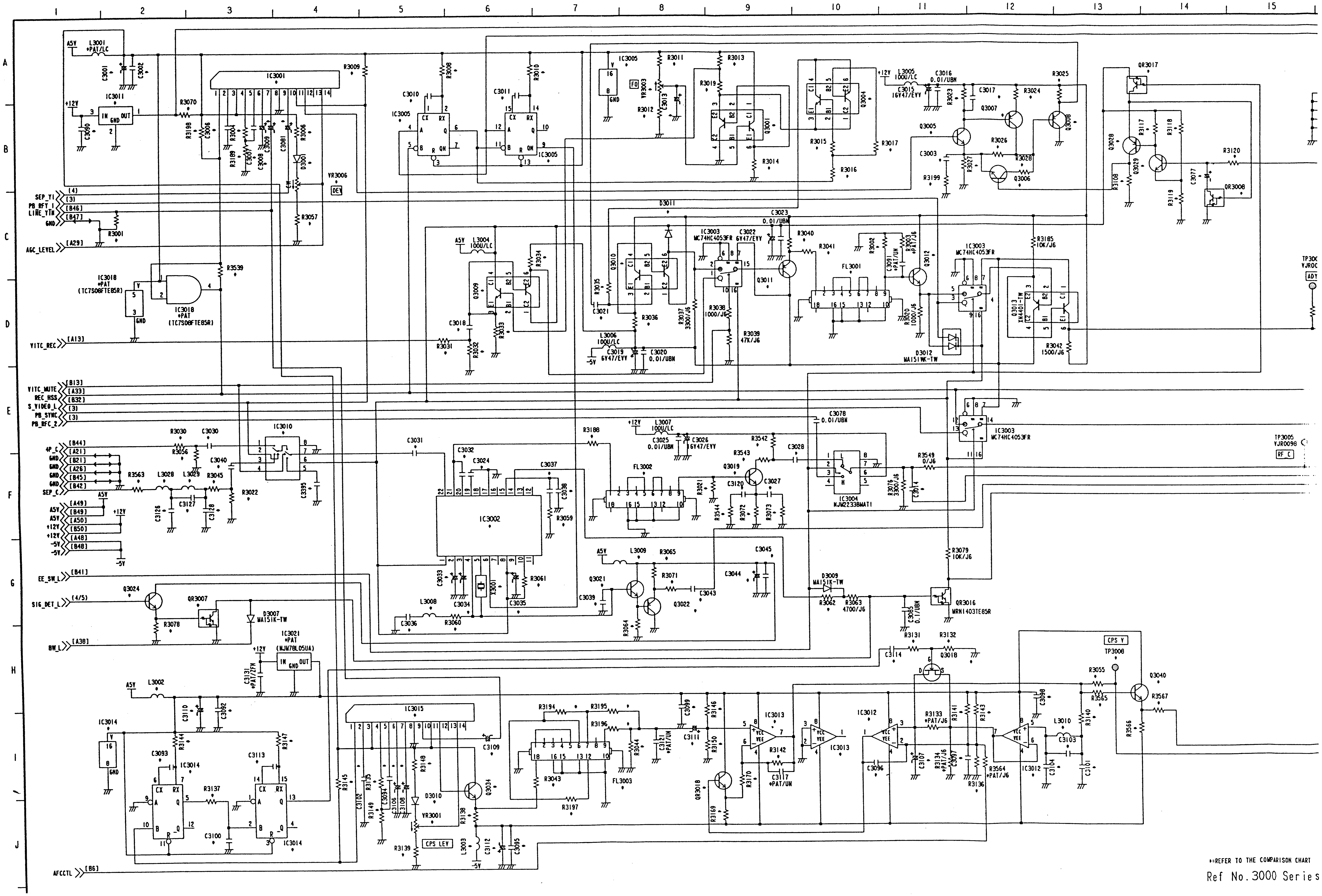
A5V
R3067 10K/J6
QR3003 MRN2404TE85R
QR3010
(3) Y_H
(4) S_VHS_H
(B22) H_A_SW
(3) Y_HSW
(3) SYNC_TIP_P
(3) PB_RFC_I
(B29) GND
R3121 1200/J6
R3129 3900/J6
L3013 33U/LA
C3052 50V3R3/EVY
L3014 100U/LC
QR3015 MRN1404TE85R
TP3001 YJR0098
TP3002 YJR0098
TEST2
L3012 390U/LB
R3082 82/J6
C3047 0.01/UBN
R3085 1000/J6
IC3020 NJM78L05UAT1
+12V
L3011 39U/LA
C3048 33P/UN
C3130 0.1/UFN
L3030 *PAT/LA
C3129 *PAT/UN
(4) DMS_ENV
(3) PB_RFY
(2) EE_SW_L
(3) DMS_MODE_L
(A28) DMS_MODE_L
(A12) TRICK_L
R3192 1000/J6
R3178 4700/J6
QR3012 MRN2404TE85R
IC3007 M52083FP-ET2
IC3008 LM324NS-R
R3068 22K/J6
R3069 10K/J6
QR3013 MRN2404TE85R
QR3011 MRN2404TE85R
L3022 100U/LC
L'CH EQ
R3114 4700/J6
VR3008 50KB
VR3009 50KB
VR3010 50KB
C3075 0.01/UBN
R3109 1000/J6
C3074 0.01/UBN
IC3009 MC14052BF-R
VR3011 50KB
IC3006 MC74HC86F-R
C3054 0.01/UBN
R3124 3300/J6
R3128 68K/J6
R3096 4700/J6
R3112 10K/J6
R3113 10K/J6
C3073 0.01/UBN
R'CH EQ
LCH EQ
RCH EQ
C3055 100P/UN
R3088 270/J6
L3015 10U/LA
RFY
TP3003 YJR0098
R3179 *PAT/J6
VR3014 20KB
T-METER
R3110 10K/J6
R3089 560/J6
L3016 22U/LA
C3056 18P/UN
C3058 22P/UN
R3095 2700/J6
VR3015 20KB
C3064 0.01/UBN
PEAK
R3180 10K/J6
VHS EQ
(4) Y_HSW
Q3025 MSC2295-BT2
R3007 0/J6
R3103 2200/J6
R3105 560/J6
R3181 1000/J6
VR3007 50KB
L3021 100U/LC
C3059 6V47/EVY
C3060 0.01/UBN
R3097 39K/J6
R3099 47K/J6
C3065 0.01/UBN
L3019 *PAT/LA (15U/LA)
Q3026 MSC2295-BT2
L3020 33U/LA
Q3027 MSC2295-BT2
L3025 33U/LA
C3069 10P/UN
C3072 0.01/UBN
-5V
L3017 18U/LA
R3092 1000/J6
C3057 68P/UN
R3091 *PAT/J6
R3093 1M/J6
Q3031 2SK374-RTW
R3090 1000/J6
QR3014 MRN1404TE85R
R3094 220K/J6
R3098 10K/J6
R3100 56K/J6
L3018 22U/LA
C3088 7P/UN
C3068 *PAT/UBN
R3102 *PAT/J6
R3104 1000/J6
C3063 68P/UN
C3070 33P/UN
R3106 1000/J6
R3123 0/J6
R3107 560/J6
R3182 220/J6
R3122 1800/J6
Q3030 MSC2295-BT2
Q3032 MSB709-RT2
R3183 560/J6
C3071 6V47/EVY
IC3153 SN74LS123NSR
GND
(4) EE_SIG_DET

*=REFER TO THE COMPARISON CHART

Ref No.3000 Series.

VIDEO I/O-2 SCHEMATIC DIAGRAM 2/6 (E5: Page CBA-5)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A
B
C
D
E
F
G
H
I
J
A5V
L3001 *PAT/LC
C3001
C3002
IC3011
+12V
IN GND OUT
C3090
R3070
R3198
R3006
R3004
R3189
C3007
C3008
C3009
C3081
R3006
D3001
IC3001
R3009
R3008
C3010
IC3005
CX RX
R3010
C3011
IC3005
VR3006
DEV
R3057
SEP_Y1 [4]
PB_RFT_1 [3]
LINE_YIN [B46]
GND [B47]
R3001
AGC_LEVEL [A29]
R3539
IC3018 *PAT (TC7S08FTE85R)
IC3018 *PAT (TC7S08FTE85R)
VITC_REC [A13]
IC3005
R3011
R3013
FO
VR3003
R3012
C3013
R3019
Q3001
R3014
R3015
R3016
R3017
Q3004
+12V
L3005 100U/LC
C3015 16V47/EYY
C3016 0.01/UBN
R3023
C3017
R3024
Q3007
R3025
Q3008
Q3005
R3026
R3028
C3003
R3027
R3199
Q3006
QR3017
Q3028
R3117
R3118
Q3029
R3108
R3119
C3077
QR3008
R3120
D3011
C3023 0.01/UBN
IC3003 MC74HC4053FR
C3022 6V47/EYY
R3040
R3041
R3002
C3091 *PAT/UN
R3003 *PAT/J6
Q3012
FL3001
Q3011
R3038 1000/J6
R3039 47K/J6
R3037 3300/J6
R3035
C3021
L3006 100U/LC
C3019 6V47/EYY
C3020 0.01/UBN
-5V
R3036
Q3010
A5V
L3004 100U/LC
R3034
Q3009
C3018
R3033
R3031
R3032
R3020 1000/J6
D3012 MA151WK-TW
IC3003 MC74HC4053FR
R3185 10K/J6
Q3013 XN4401-TW
R3042 1500/J6
TP3004 VJR00
ADJ
VITC_MUTE [B13]
REC_NSS [A33]
S_VIDEO_L [B32]
PB_SYNC [3]
PB_RFC_2 [3]
R3030
C3030
R3056
IC3010
4P_C [B44]
GND [A21]
GND [B21]
GND [A26]
GND [B45]
GND [B42]
SEP_C
R3563
L3028
L3029
R3045
C3040
R3022
C3395
A5V [A49]
A5V [B49]
A5V [A50]
+12V [B50]
+12V [A48]
-5V [B48]
-5V
C3126
C3127
C3128
C3031
C3032
C3024
C3037
C3038
R3059
IC3002
R3188
+12V
L3007 100U/LC
C3025 0.01/UBN
C3026 16V47/EYY
R3542
R3543
C3028
Q3019
C3120
C3027
FL3002
R3021
R3544
R3072
R3073
C3078 0.01/UBN
IC3003 MC74HC4053FR
R3549 0/J6
R3076 3300/J6
C3014
IC3004 NJM2233BMAT1
TP3005 VJR0098
RF_C
EE_SW_L [B41]
SIG_DET_L (4/5)
Q3024
QR3007
R3078
D3007 MA151K-TW
BW_L [A38]
C3033
X3001
C3035
R3061
L3008
C3034
C3036
R3060
A5V
L3009
R3065
R3071
C3045
C3044
Q3021
C3039
C3043
Q3022
R3064
D3009 MA151K-TW
R3062
R3063 4700/J6
C3085 0.1/UBN
QR3016 MRN1403TE85R
R3079 10K/J6
IC3021 *PAT (NJM78L05UA)
+12V
C3131 *PAT/2FN
A5V
L3002
C3110
C3092
IC3014
C3093
R3144
R3147
C3113
R3137
C3100
IC3014
IC3015
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R3149
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C3106
R3148
D3010
VR3001
R3139
CPS LEV
R3138
Q3034
C3109
L3003
C3112
C3095
-5V
R3194
R3195
R3196
R3044
C3099
R3146
C3111
R3150
C3121 *PAT/UN
FL3003
R3043
R3197
QR3018
R3169
R3170
IC3013
R3142
C3117 *PAT/UN
IC3013
C3114
R3131
R3132
Q3018
IC3012
R3133 *PAT/J6
R3141
R3143
C3096
C3107
R3134 *PAT/J6
C3097
R3564 *PAT/J6
R3136
IC3012
C3098
L3010
C3103
C3104
C3101
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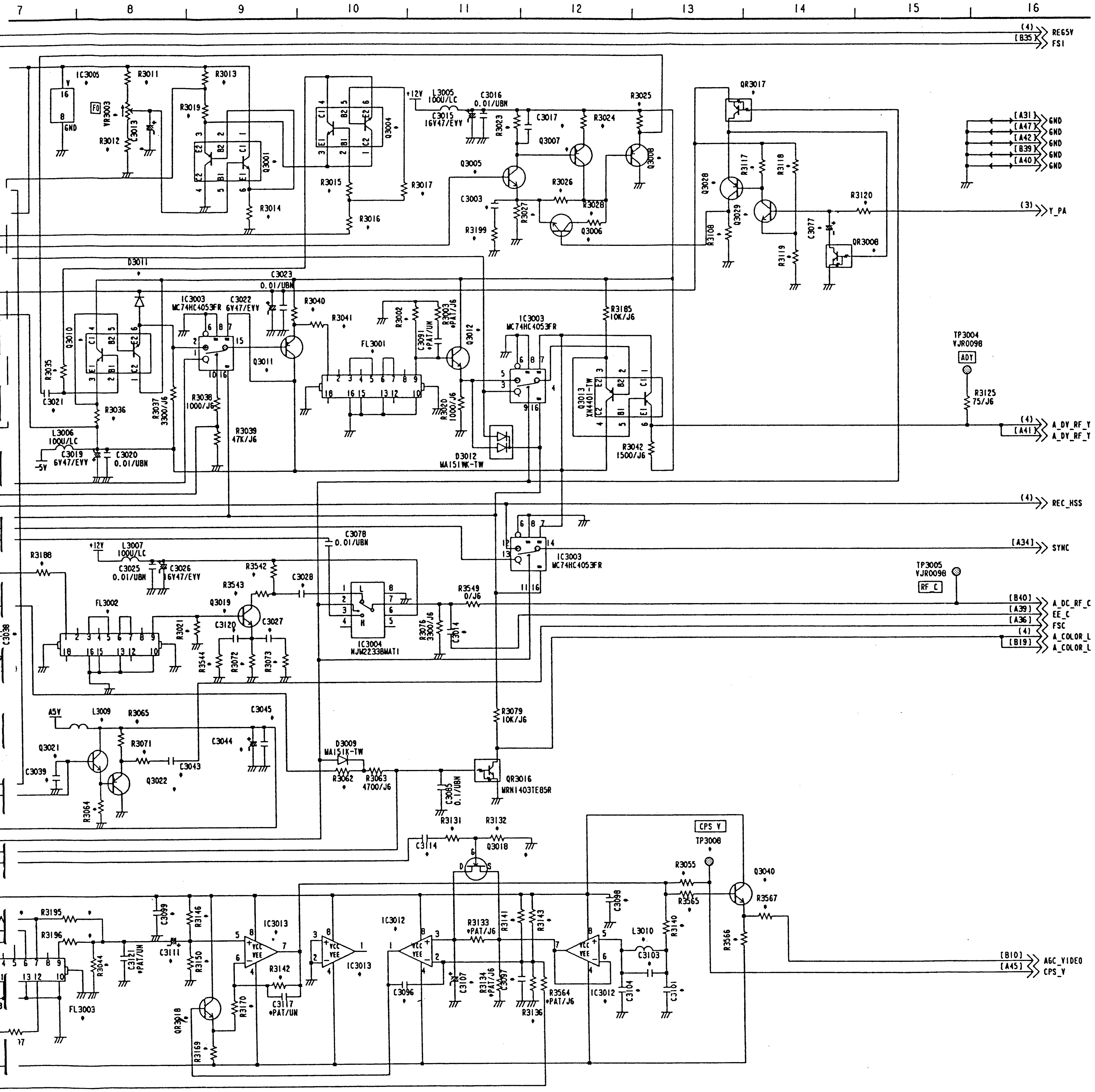
R3567
R3566
AFCCTL [B6]

*:REFER TO THE COMPARISON CHART

Ref No.3000 Series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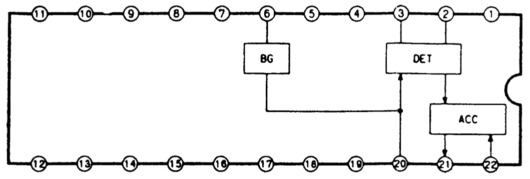
REG5V
FSI
GND
Y_PA
A_DY_RF_Y
REC_HSS
SYNC
A_DC_RF_C
EE_C
FSC
A_COLOR_L
AGC_VIDEO
CPS_V
TP3004
VJR0098
ADY
TP3005
VJR0098
RF_C
TP3008
CPS V
IC3003
MC74HC4053FR
IC3004
NJM2233BMAT1
IC3012
IC3013
IC3005
FL3001
FL3002
FL3003
Q3013
XN4401-TW
QR3016
MRN1403TE85R
D3012
MA151WK-TW
D3009
MA151K-TW

*=REFER TO THE COMPARISON CHART

Ref No.3000 Series.

IC3002
AN6366NS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DET
ACC
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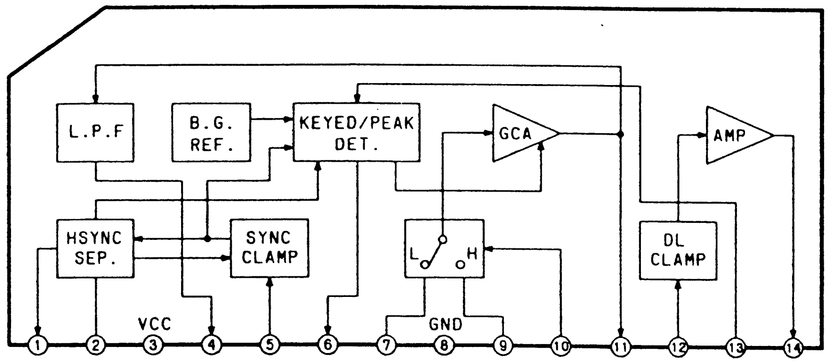
IC3001,3015
AN3916-LF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B.G.
REF.
KEYED/PEAK
DET.
GCA
AMP
HSYNC
SEP.
SYNC
CLAMP
L
H
DL
CLAMP
VCC
GND
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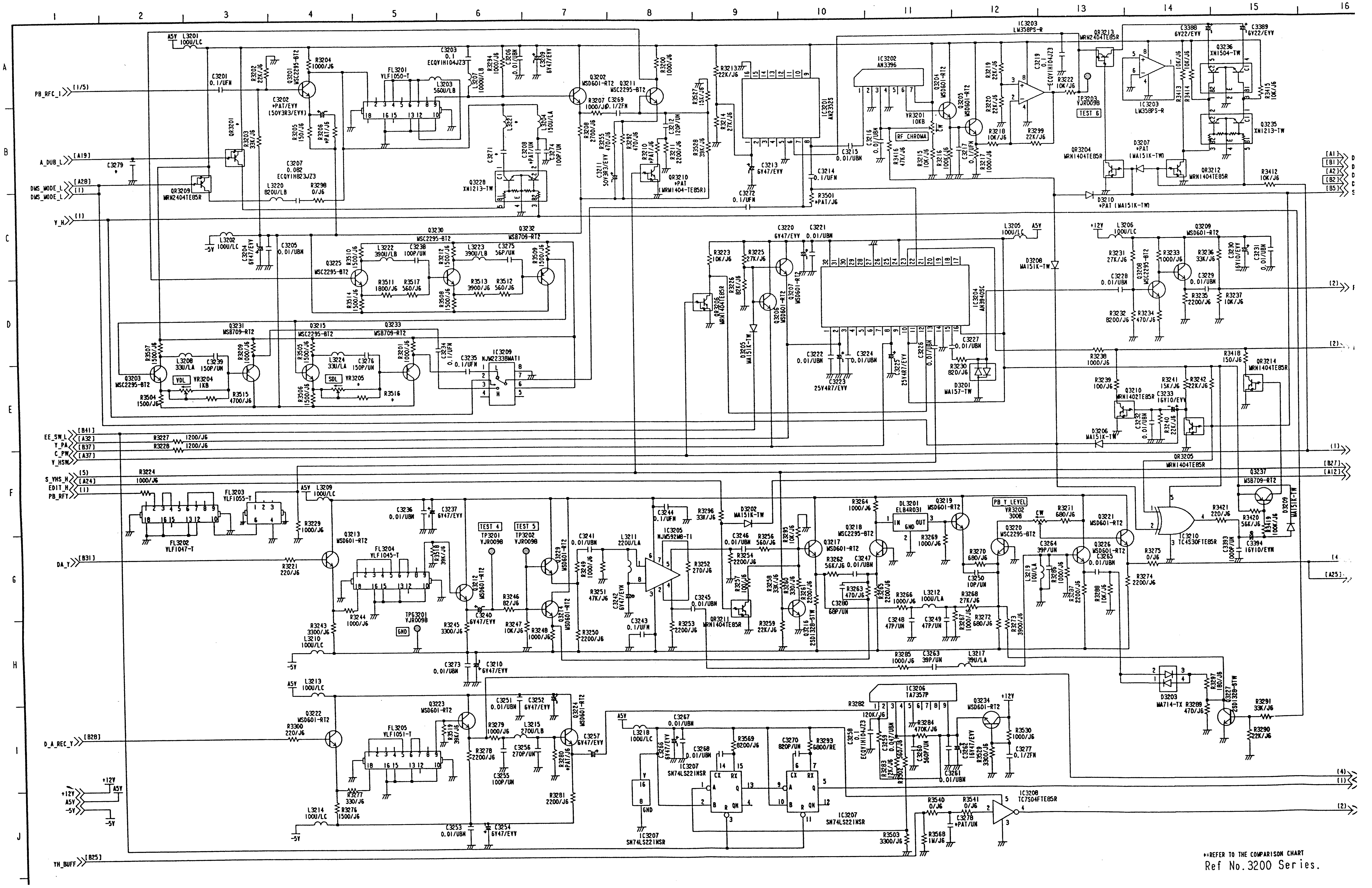
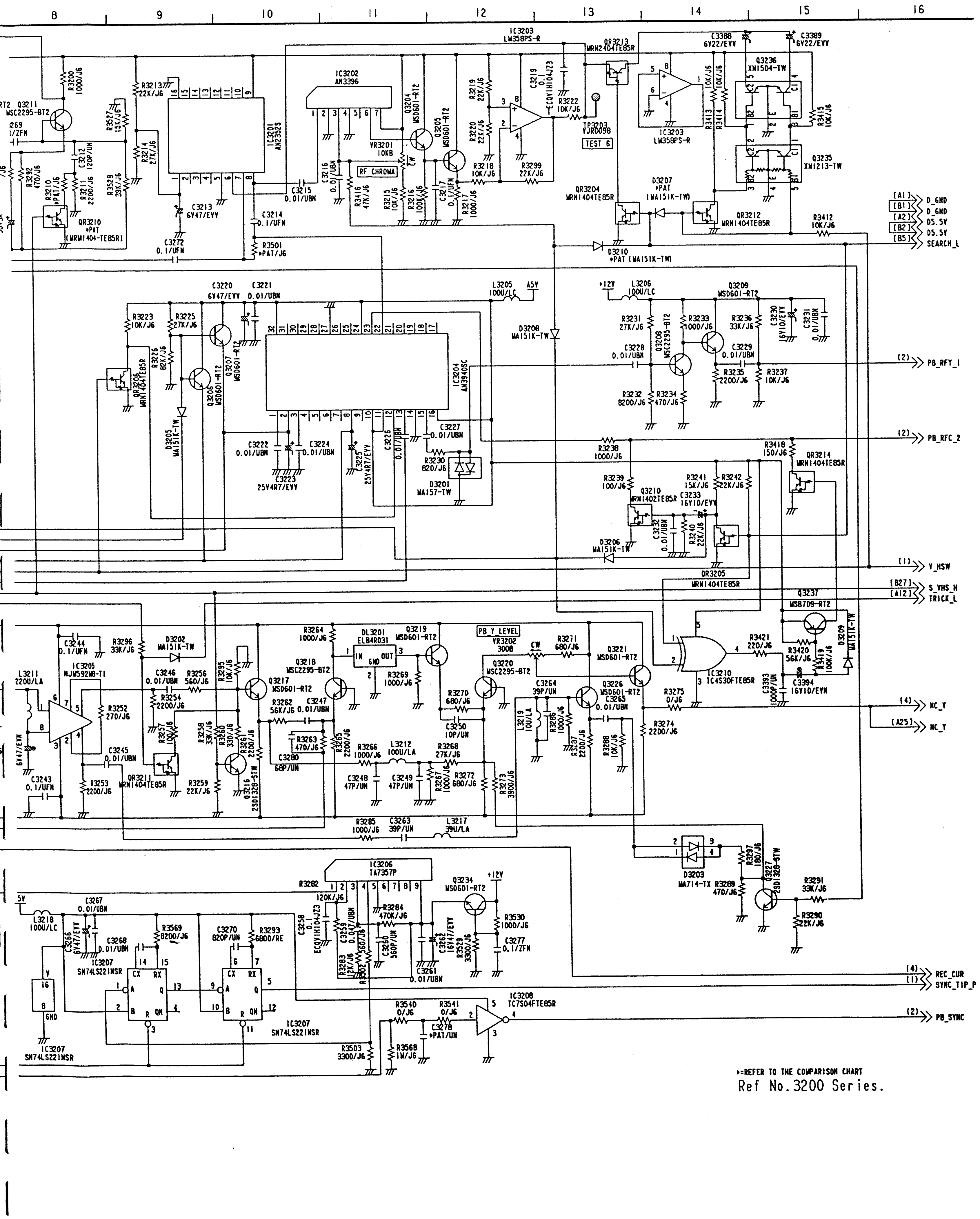
VIDEO I/O-3 SCHEMATIC DIAGRAM 3/6 (E5: Page CBA-5)



PB_RFC_I [1/5]
A_DUB_L [A19]
DWS_MODE_L [A28]
DWS_MODE_L (1)
Y_H (1)
EE_SW_L [B41]
Y_PA [A32]
C_PW [B37]
Y_HSW [A37]
S_VHS_H (5)
EDIT_H [A24]
PB_RFT (1)
DA_Y [B31]
D_A_REC_Y [B28]
+12V
A5V
-5V
YH_BUFF [B25]
IC3201 AN3325
IC3202 AN3396
IC3203 LM358PS-R
IC3204 AN3940SC
IC3205 NJM592M8-T1
IC3206 TA7357P
IC3207 SN74LS221NSR
IC3208 TC7S04FTE85R
IC3209 NJM2233BMAT1
IC3210 TC4S30FTE85R
TEST 4
TEST 5
TEST 6
GND
RF CHROMA
YDL
SDL
PB_Y_LEVEL
[A1]
[B1]
[A2]
[B2]
[B5]
(2)
(1)
[B27]
[A12]
(4)
[A25]

*=REFER TO THE COMPARISON CHART

Ref No.3200 Series.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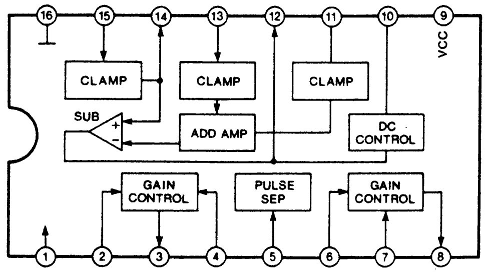
QR3213 MRN2404TE85R
C3388 6V22/EVY
C3389 6V22/EVY
Q3236 XN1504-TW
Q3235 XN1213-TW
IC3202 AN3396
IC3201 AN2352S
Q3211 MSC2295-BT2
R3200 1000/J6
R3213 22K/J6
Q3204 MSD601-RT2
Q3205 MSD601-RT2
VR3201 10KB
RF CHROMA
TP3203 VJR0098
TEST 6
R3222 10K/J6
C3219 0.1 ECQV1H104JZ3
C3215 0.01/UBN
C3214 0.1/UFN
C3213 6V47/EVY
C3272 0.1/UFN
QR3210 *PAT (MRN1404-TE85R)
R3501 *PAT/J6
QR3204 MRN1404TE85R
D3207 *PAT (MA151K-TW)
QR3212 MRN1404TE85R
D3210 *PAT (MA151K-TW)
R3412 10K/J6
[A1] D_GND
[B1] D_GND
[A2] D5.5V
[B2] D5.5V
[B5] SEARCH_L
C3220 6V47/EVY
C3221 0.01/UBN
L3205 100U/LC
A5V
D3208 MA151K-TW
+12V
L3206 100U/LC
Q3209 MSD601-RT2
Q3208 MSC2295-BT2
IC3204 AN3940SC
Q3206 MSD601-RT2
Q3207 MSD601-RT2
QR3206 MRN1404TE85R
D3205 MA151K-TW
(2) PB_RFY_1
(2) PB_RFC_2
C3222 0.01/UBN
C3224 0.01/UBN
C3223 25V4R7/EVY
C3227 0.01/UBN
R3230 820/J6
D3201 MA157-TW
R3238 1000/J6
R3418 150/J6
QR3214 MRN1404TE85R
Q3210 MRN1402TE85R
C3233 16V10/EVY
D3206 MA151K-TW
QR3205 MRN1404TE85R
(1) Y_HSW
[B27] S_VHS_H
[A12] TRICK_L
Q3237 MSB709-RT2
D3209 MA151K-TW
IC3210 TC4S30FTE85R
C3394 16V10/EVN
(4) NC_Y
[A25] NC_Y
L3211 220U/LA
IC3205 NJM592M8-TI
C3244 0.1/UFN
D3202 MA151K-TW
DL3201 EL84R031
Q3219 MSD601-RT2
PB_Y_LEVEL
VR3202 300Ω
Q3220 MSC2295-BT2
Q3221 MSD601-RT2
Q3226 MSD601-RT2
Q3217 MSD601-RT2
Q3218 MSC2295-BT2
Q3216 2SD1328-STW
QR3211 MRN1404TE85R
L3212 100U/LA
L3217 39U/LA
D3203 MA714-TX
Q3227 2SD1328-STW
IC3206 TA7357P
Q3234 MSD601-RT2
+12V
5V
L3218 100U/LC
IC3207 SN74LS221NSR
IC3208 TC7S04FTE85R
(4) REC_CUR
(1) SYNC_TIP_P
(2) PB_SYNC

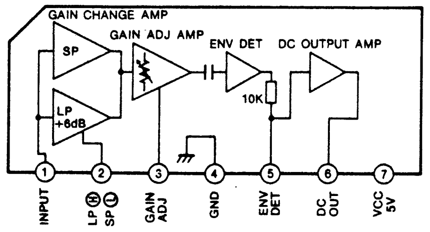
*=REFER TO THE COMPARISON CHART

Ref No.3200 Series.

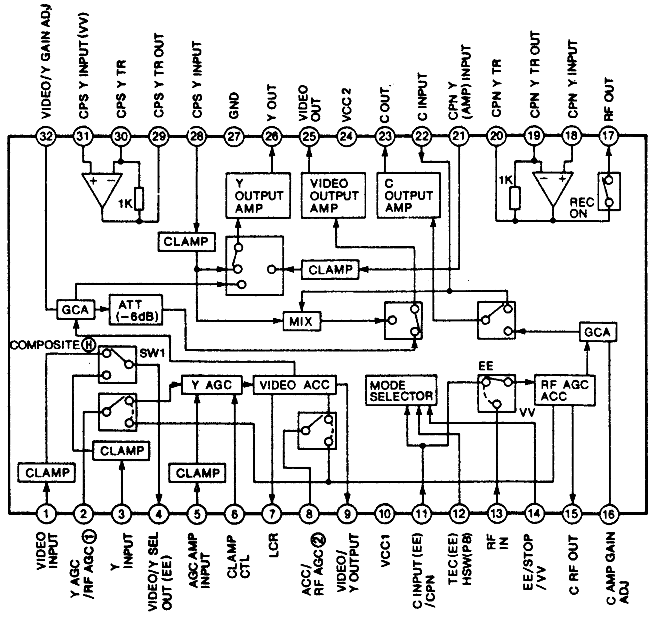
IC3201
AN2352S


CLAMP
CLAMP
CLAMP
SUB
ADD AMP
DC CONTROL
GAIN CONTROL
PULSE SEP
GAIN CONTROL
VCC
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

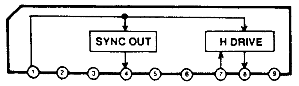
IC3202
AN3396


GAIN CHANGE AMP
GAIN ADJ AMP
ENV DET
DC OUTPUT AMP
SP
LP +6dB
10K
1 INPUT
2 LP Ⓗ SP Ⓛ
3 GAIN ADJ
4 GND
5 ENV DET
6 DC OUT
7 VCC 5V

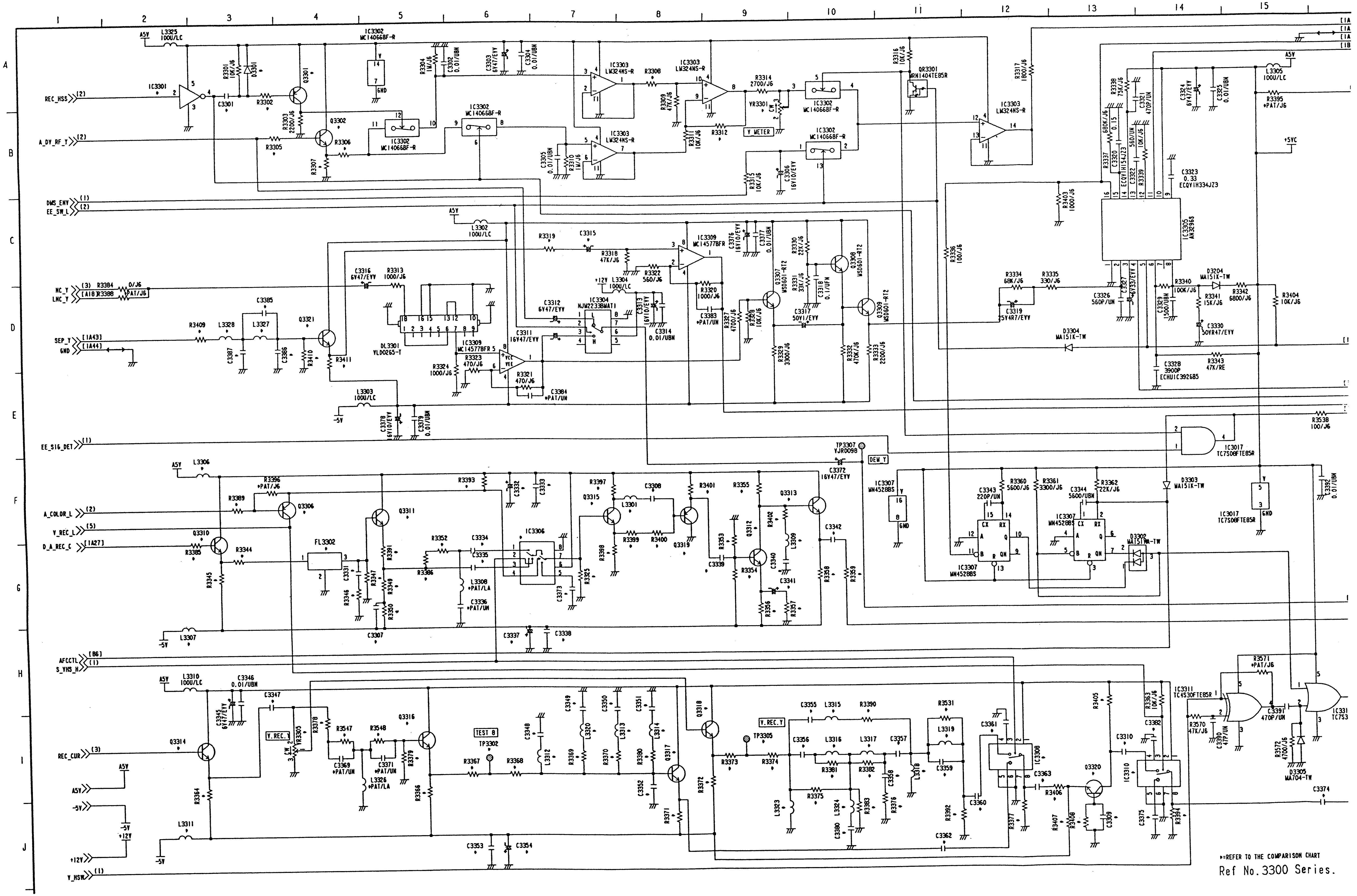
IC3204
AN3940SC


32 VIDEO/Y GAIN ADJ
31 CPS Y INPUT (VV)
30 CPS Y TR
29 CPS Y TR OUT
28 CPS Y INPUT
27 GND
26 Y OUT
25 VIDEO OUT
24 VCC2
23 C OUT
22 C INPUT
21 CPN Y (AMP) INPUT
20 CPN Y TR
19 CPN Y TR OUT
18 CPN Y INPUT
17 RF OUT
1K
Y OUTPUT AMP
VIDEO OUTPUT AMP
C OUTPUT AMP
1K
REC ON
CLAMP
CLAMP
GCA
ATT (-6dB)
MIX
GCA
COMPOSITE Ⓗ
SW1
Y AGC
VIDEO ACC
MODE SELECTOR
EE
VV
RF AGC ACC
CLAMP
CLAMP
CLAMP
1 VIDEO INPUT
2 Y AGC /RF AGC ①
3 Y INPUT
4 VIDEO/Y SEL OUT (EE)
5 AGC AMP INPUT
6 CLAMP CTL
7 LCR
8 ACC/ RF AGC ②
9 VIDEO/ Y OUTPUT
10 VCC1
11 C INPUT (EE) /CPN
12 TEC(EE) HSW(PB)
13 RF IN
14 EE/STOP /VV
15 C RF OUT
16 C AMP GAIN ADJ

IC3206
TA7357P


SYNC OUT
H DRIVE

VIDEO I/O-4 SCHEMATIC DIAGRAM 4/6 (E5: Page CBA-5)


1
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7
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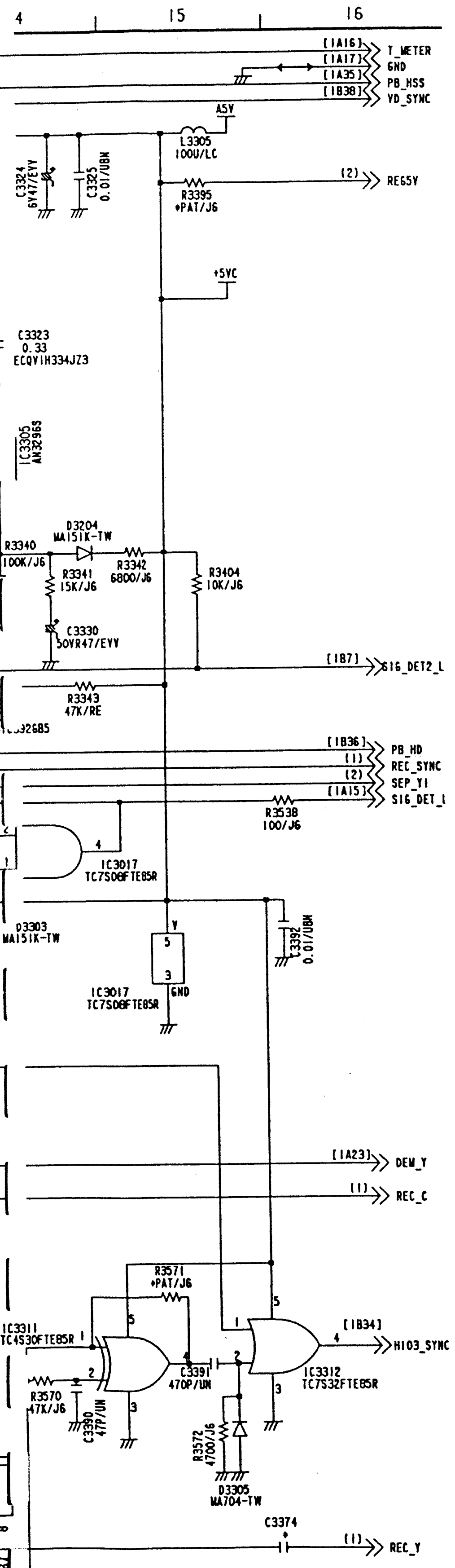
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
I
J
REC_HSS (2)
A_DV_RF_Y (2)
DWS_ENV (1)
EE_SW_L (2)
NC_Y (3)
LNC_Y [A18]
SEP_Y [1A43]
GND [1A44]
EE_SIG_DET (1)
A_COLOR_L (2)
Y_REC_L (5)
D_A_REC_C [1A27]
AFCCTL [B6]
S_YHS_H (1)
REC_CUR (3)
A5V
-5V
+12V
Y_HSW (1)
IC3301
IC3302 MC14066BF-R
IC3303 LM324NS-R
IC3304 NJM2233BMAT1
IC3305 AN3296S
IC3306
IC3307 MN4528BS
IC3308
IC3309 MC14577BFR
IC3310
IC3311 TC4S30FTE85R
IC3017 TC7S08FTE85R
QR3301 RN1404TE85R
DL3301 YLD0265-T
FL3302
L3325 100U/LC
L3302 100U/LC
L3303 100U/LC
L3304 100U/LC
L3305 100U/LC
L3310 100U/LC
Y METER
DEM Y
TP3307 YJR0098
TP3302
TP3305
TEST 8
Y.REC.Y
VR3301
VR3305
Q3301
Q3302
Q3306
Q3307 MSD601-R12
Q3308 MSD601-R12
Q3309 MSD601-R12
Q3310
Q3311
Q3312
Q3313
Q3314
Q3315
Q3316
Q3317
Q3318
Q3319
Q3320
Q3321
D3301
D3302 MA151WA-TW
D3303 MA151K-TW
D3304 MA151K-TW
D3204 MA151K-TW
D3305 MA704-TW
C3323 0.33 ECQV1H334JZ3
C3328 3900P ECHU1C392G8S
+5VC

*=REFER TO THE COMPARISON CHART

Ref No.3300 Series.

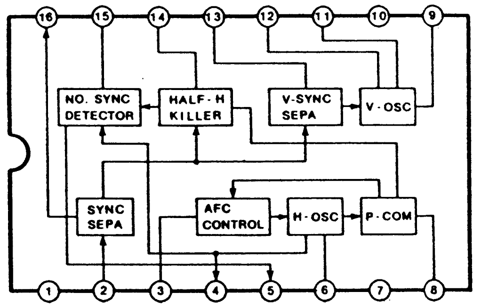
VIDEO I/O-5 SCHEMATIC DIAGRAM 5/6 (E5: Page CBA-5)

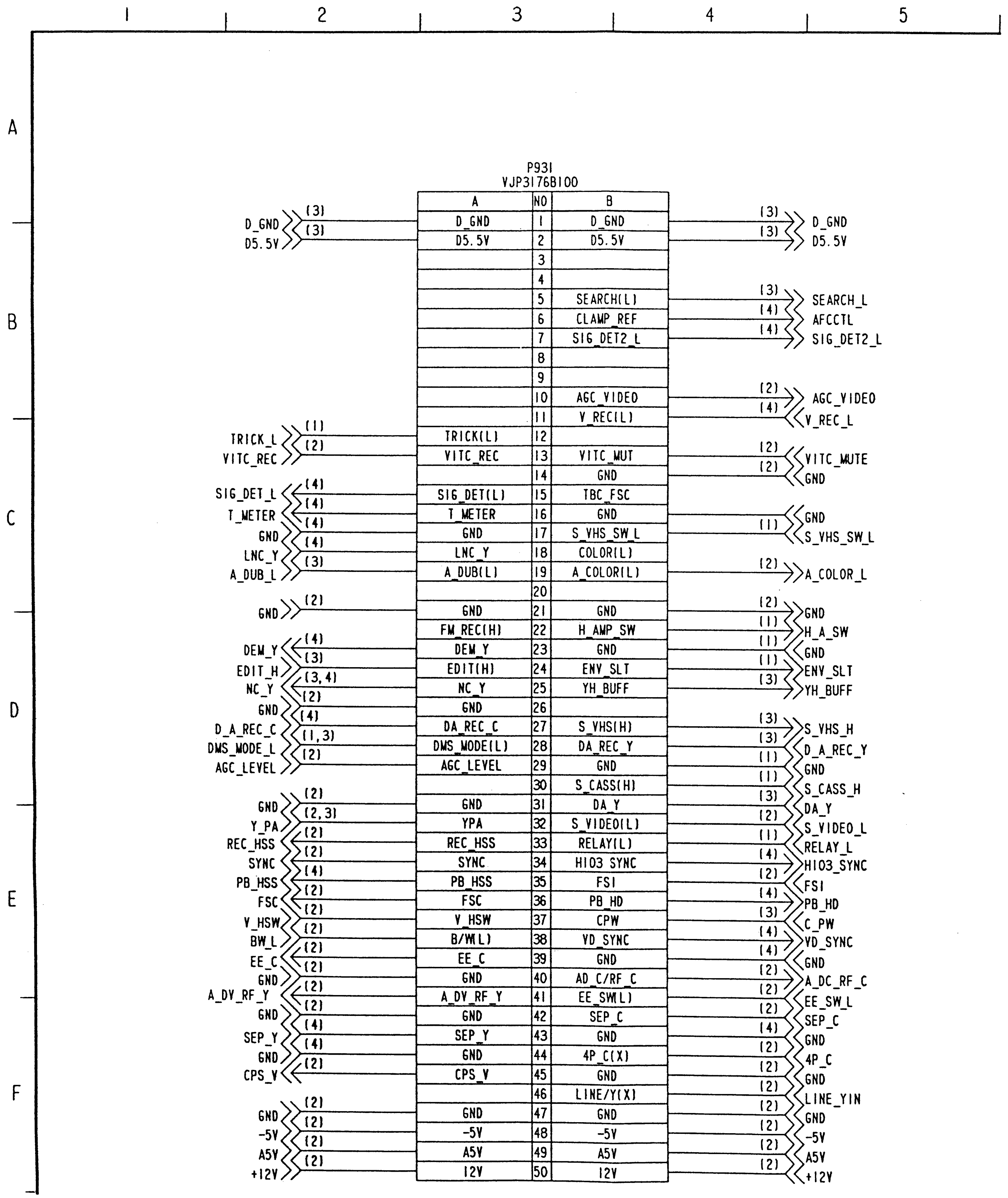

15
16
[1A16] T_METER
[1A17] GND
[1A35] PB_HSS
[1B38] VD_SYNC
A5V
L3305 100U/LC
C3324 6V47/EYY
C3325 0.01/UBN
(2) RE65Y
R3395 *PAT/J6
+5YC
C3323 0.33 ECQV1H334JZ3
IC3305 AN3296S
D3204 MA151K-TW
R3340 100K/J6
R3341 15K/J6
R3342 6800/J6
R3404 10K/J6
C3330 50VR47/EYY
[1B7] SIG_DET2_L
R3343 47K/RE
[1B36] PB_HD
(1) REC_SYNC
(2) SEP_YI
[1A15] SIG_DET_L
R3538 100/J6
IC3017 TC7S08FTE85R
D3303 MA151K-TW
C3392 0.01/UBN
IC3017 TC7S08FTE85R
GND
[1A23] DEM_Y
(1) REC_C
R3571 *PAT/J6
IC3311 TC4S30FTE85R
[1B34] H103_SYNC
C3391 470P/UN
IC3312 TC7S32FTE85R
R3570 47K/J6
C3390 470P/UN
R3572 4700/J6
D3305 MA704-TW
C3374
(1) REC_Y

*=REFER TO THE COMPARISON CHART

Ref No.3300 Series.

IC3305
AN3296S


16
15
14
13
12
11
10
9
NO. SYNC DETECTOR
HALF-H KILLER
V-SYNC SEPA
V-OSC
SYNC SEPA
AFC CONTROL
H-OSC
P-COM
1
2
3
4
5
6
7
8


1
2
3
4
5
A
B
C
D
E
F
D_GND (3)
D5.5V (3)
TRICK_L (1)
VITC_REC (2)
SIG_DET_L (4)
T_METER (4)
GND (4)
LNC_Y (4)
A_DUB_L (3)
GND (2)
DEM_Y (4)
EDIT_H (3)
NC_Y (3,4)
GND (2)
D_A_REC_C (4)
DMS_MODE_L (1,3)
AGC_LEVEL (2)
GND (2)
Y_PA (2,3)
REC_HSS (2)
SYNC (2)
PB_HSS (4)
FSC (2)
V_HSW (2)
BW_L (2)
EE_C (2)
GND (2)
A_DV_RF_Y (2)
GND (2)
SEP_Y (4)
GND (4)
CPS_V (2)
GND (2)
-5V (2)
A5V (2)
+12V (2)
(3) D_GND
(3) D5.5V
(3) SEARCH_L
(4) AFCCTL
(4) SIG_DET2_L
(2) AGC_VIDEO
(4) V_REC_L
(2) VITC_MUTE
(2) GND
GND
(1) S_VHS_SW_L
(2) A_COLOR_L
(2) GND
(1) H_A_SW
(1) GND
(1) ENV_SLT
(3) YH_BUFF
(3) S_VHS_H
(3) D_A_REC_Y
(1) GND
(1) S_CASS_H
(3) DA_Y
(2) S_VIDEO_L
(1) RELAY_L
(4) H103_SYNC
(2) FSI
(4) PB_HD
(3) C_PW
(4) VD_SYNC
(4) GND
(2) A_DC_RF_C
(2) EE_SW_L
(2) SEP_C
(4) GND
(2) 4P_C
(2) GND
(2) LINE_YIN
(2) GND
(2) -5V
(2) A5V
(2) +12V

P931
VJP3176B100

A	NO	B
D_GND	1	D_GND
D5.5V	2	D5.5V
	3	
	4	
	5	SEARCH(L)
	6	CLAMP_REF
	7	SIG_DET2_L
	8	
	9	
	10	AGC_VIDEO
	11	V_REC(L)
TRICK(L)	12	
VITC_REC	13	VITC_MUT
	14	GND
SIG_DET(L)	15	TBC_FSC
T_METER	16	GND
GND	17	S_VHS_SW_L
LNC_Y	18	COLOR(L)
A_DUB(L)	19	A_COLOR(L)
	20	
GND	21	GND
FM_REC(H)	22	H_AMP_SW
DEM_Y	23	GND
EDIT(H)	24	ENV_SLT
NC_Y	25	YH_BUFF
GND	26	
DA_REC_C	27	S_VHS(H)
DMS_MODE(L)	28	DA_REC_Y
AGC_LEVEL	29	GND
	30	S_CASS(H)
GND	31	DA_Y
YPA	32	S_VIDEO(L)
REC_HSS	33	RELAY(L)
SYNC	34	H103 SYNC
PB_HSS	35	FSI
FSC	36	PB_HD
V_HSW	37	CPW
B/W(L)	38	VD_SYNC
EE_C	39	GND
GND	40	AD_C/RF_C
A_DV_RF_Y	41	EE_SW(L)
GND	42	SEP_C
SEP_Y	43	GND
GND	44	4P_C(X)
CPS_V	45	GND
	46	LINE/Y(X)
GND	47	GND
-5V	48	-5V
A5V	49	A5V
12V	50	12V

VIDEO I/O COMPARISON CHART 6/6 (E5: Page CBA-5)

REF	AG-DS850	AG-DS840
C3001	6V100/EVV	*PAT/EVV
C3002	0.01/UBN	*PAT/UBN
C3003	39P/UN	*PAT/UN
C3005	6V22/EVV	*PAT/EVV
C3006	3300P/UN	*PAT/UN
C3007	0.01/UBN	*PAT/UBN
C3008	25V4R7/EVV	*PAT/EVV
C3009	50V3R3/EVV	*PAT/EVV
C3010	330P/UN	*PAT/UN
C3011	1000P/UN	*PAT/UN
C3013	16V47/EVV	*PAT/EVV
C3014	0.01/UBN	*PAT/UBN
C3017	82P/UN	*PAT/UN
C3018	0.22/ZFN	*PAT/ZFN
C3021	0.15/UBN	*PAT/UBN
C3024	0.1/UBN	*PAT/UBN
C3027	0.1/UBN	*PAT/UBN
C3028	0.1/UBN	*PAT/UBN
C3030	0.01/UBN	*PAT/UBN
C3031	0.01/UBN	*PAT/UBN
C3032	0.01/UBN	*PAT/UBN
C3033	2200P/UBN	*PAT/UBN
C3034	6V47/EVV	*PAT/EVV
C3035	6V47/EVV	*PAT/EVV
C3036	100P/UN	*PAT/UN
C3037	0.1/UBN	*PAT/UBN
C3038	2200P/UBN	*PAT/UBN
C3039	8P/UN	*PAT/UN
C3040	0.01/UBN	*PAT/UBN
C3041	50VR47/EVV	*PAT/EVV
C3043	0.01/UBN	*PAT/UBN
C3044	6V47/EVV	*PAT/EVV
C3045	0.01/UBN	*PAT/UBN
C3066	*PAT/UN	*PAT/UN
C3067	*PAT/UN	*PAT/UN
C3068	*PAT/UBN	*PAT/UBN
C3077	50V3R3/EVV	*PAT/EVV
C3081	50V3R3/EVV	*PAT/EVV
C3090	0.1/ZFN	*PAT/ZFN
C3091	*PAT/UN	*PAT/UN
C3092	0.01/UBN	*PAT/UBN
C3093	0.01/UBN	*PAT/UBN
C3094	0.01/UBN	*PAT/UBN
C3095	0.01/UBN	*PAT/UBN
C3096	0.01/UBN	*PAT/UBN
C3097	0.1/UFN	*PAT/UFN
C3098	0.1/UFN	*PAT/UFN
C3099	0.1/UFN	*PAT/UFN
C3100	120P/UN	*PAT/UN
C3101	18P/UN	*PAT/UN
C3102	3300P/UBN	*PAT/UBN
C3103	7P/UN	*PAT/UN
C3104	82P/UN	*PAT/UN
C3106	25V4R7/EVV	*PAT/EVV
C3107	50V1/EVV	*PAT/EVV
C3108	50V3R3/EVV	*PAT/EVV
C3109	50V3R3/EVV	*PAT/EVV
C3110	6V47/EVV	*PAT/EVV
C3111	6V47/EVV	*PAT/EVV
C3112	6V47/EVV	*PAT/EVV
C3113	100P/UN	*PAT/UN
C3114	0.1/UFN	*PAT/UFN
C3117	*PAT/UN	*PAT/UN
C3118	50V1/EVV	*PAT/EVV
C3119	0.012/UBN	0/J6
C3120	180P/UN	*PAT/UN
C3121	*PAT/UN	*PAT/UN
C3126	33P/UN	*PAT/UN
C3127	8P/UN	*PAT/UN
C3128	8P/UN	*PAT/UN
C3129	*PAT/UN	*PAT/UN
C3131	*PAT/ZFN	*PAT/ZFN
C3202	*PAT/EVV	*PAT/EVV
C3208	*PAT/UN	*PAT/UN
C3271	0.15	*PAT
C3278	*PAT/UN	*PAT/UN
C3279	1000P/UN	*PAT/UN
C3301	100P/UN	0/J6
C3307	150P/UN	*PAT/UN
C3308	120P/UN	*PAT/UN
C3309	0.1/ZFN	*PAT/ZFN
C3310	0.01/UBN	*PAT/UBN
C3315	6V47/EVV	*PAT/EVV
C3331	330P/UN	*PAT/UN
C3332	6V47/EVV	*PAT/EVV
C3333	0.01/UBN	*PAT/UBN
C3334	0.1/ZFN	*PAT/ZFN
C3335	0.1/ZFN	*PAT/ZFN
C3336	*PAT/UN	*PAT/UN
C3337	6V47/EVV	*PAT/EVV
C3338	0.01/UBN	*PAT/UBN
C3339	0.1/UFN	*PAT/UFN
C3340	270P/UN	*PAT/UN
C3341	50V3R3/EVV	*PAT/EVV
C3342	0.1/ZFN	*PAT/ZFN
C3347	0.01/UBN	*PAT/UBN
C3348	0.068	*PAT
C3349	22P/UN	*PAT/UN
C3350	270P/UN	*PAT/UN
C3351	470P/UN	*PAT/UN
C3352	12P/UN	*PAT/UN
C3353	0.01/UBN	*PAT/UBN
C3354	6V47/EVV	*PAT/EVV
C3355	0.01/UBN	*PAT/UBN
C3356	15P/UN	*PAT/UN
C3357	270P/UN	*PAT/UBN
C3358	82P/UN	*PAT/UN
C3359	180P/UN	*PAT/UN
C3360	0.01/UBN	*PAT/UBN
C3361	0.01/UBN	*PAT/UBN
C3362	0.01/UBN	*PAT/UBN
C3363	0.01/UBN	*PAT/UBN
C3369	*PAT/UN	*PAT/UN
C3371	*PAT/UN	*PAT/UN
C3373	0.1/ZFN	*PAT/ZFN
C3374	0.01/UBN	*PAT/UBN
C3375	0.01/UBN	*PAT/UBN
C3380	*PAT/UN	*PAT/UN
C3382	0.01/UBN	*PAT/UBN
C3383	*PAT/UN	*PAT/UN
C3384	*PAT/UN	*PAT/UN
C3385	8P/UN	*PAT/UN
C3386	8P/UN	*PAT/UN
C3387	33P/UN	*PAT/UN
C3395	0.1/UFN	*PAT/UN
D3001	MA151K-TW	*PAT
D3003	MA151K-TW	*PAT
D3006	MA151K-TW	*PAT
D3010	MA151K-TW	*PAT
D3011	MA151K-TW	*PAT
D3207	*PAT	*PAT
D3210	*PAT	*PAT
D3301	MA151K-TW	*PAT
FL3001	VLF1049-T	*PAT
FL3002	VLF1048-T	*PAT
FL3003	VLF1015-T	*PAT
FL3302	ELB4H068	*PAT
IC3001	AN3916-LF	*PAT
IC3002	AN6366NS	*PAT
IC3005	MN4528BS	*PAT
IC3010	NJM2233BMAT1	*PAT
IC3011	NJM78L05UA	*PAT
IC3012	NJM082BM-T1	*PAT
IC3013	MC14577BFR	*PAT
IC3014	TC74HC221AFT	*PAT
IC3015	AN3916-LF	*PAT
IC3018	*PAT	*PAT
IC3021	*PAT	*PAT
IC3153	SN74LS123NSR	*PAT
IC3301	TC7S04FTE85R	*PAT
IC3306	NJM2234MAT1	*PAT
IC3308	AN6308S	*PAT
IC3310	AN6308S	*PAT
L3001	*PAT/LC	*PAT/LC
L3002	100U/LC	*PAT/LC
L3003	100U/LC	*PAT/LC
L3008	100U/LC	*PAT/LC
L3009	100U/LC	*PAT/LC
L3010	220U/LA	*PAT/LA
L3019	*PAT/LA	*PAT/LA
L3028	18U/LA	*PAT/LA
L3029	22U/LA	*PAT/LA
L3030	*PAT/LA	*PAT/LA
L3221	330U/LB	*PAT/LA
L3301	220U/LA	*PAT/LA
L3306	100U/LC	*PAT/LA
L3307	100U/LC	*PAT/LA
L3308	*PAT/LA	*PAT/LA
L3309	220U/LA	*PAT/LA
L3311	100U/LC	*PAT/LC
L3312	150U/LA	*PAT/LA
L3313	4R7U/LA	*PAT/LA
L3314	150U/LA	*PAT/LA
L3315	220U/LA	*PAT/LA
L3316	39U/LA	*PAT/LA
L3317	33U/LA	*PAT/LA
L3318	82U/LA	*PAT/LA
L3319	270U/LB	*PAT/LB
L3320	6R8U/LA	*PAT/LA
L3323	*PAT/LA	*PAT/LA
L3324	*PAT/LA	*PAT/LA
L3326	*PAT/LA	*PAT/LA
L3327	22U/LA	*PAT/LA
L3328	18U/LA	*PAT/LA
Q3001	XN4601 TW	*PAT
Q3004	XN4501-TW	*PAT
Q3005	MSC2295-BT2	*PAT
Q3006	MSD601 RT2	*PAT
Q3007	2SA1022-BCTW	*PAT
Q3008	MSB709-RT2	*PAT
Q3009	XN4501 TW	*PAT
Q3010	XN4501-TW	*PAT
Q3011	MSB709 RT2	*PAT
Q3012	MSD601 RT2	*PAT
Q3018	2SK198 TW	*PAT
Q3019	MSD601-RT2	*PAT
Q3020	2SB643 QRS	*PAT
Q3021	MSD601-RT2	*PAT
Q3022	MSB709-RT2	*PAT
Q3024	MSD601-RT2	*PAT
Q3028	MSB709-RT2	*PAT
Q3029	MSD601-RT2	*PAT
Q3034	MSD601-RT2	*PAT
Q3040	MSD601-RT2	*PAT
Q3301	MSB709-RT2	*PAT
Q3302	MSD601-RT2	*PAT
Q3306	MSB709-RT2	*PAT
Q3310	MSD601-RT2	*PAT
Q3311	MSD601-RT2	*PAT
Q3312	MSD601-RT2	*PAT
Q3313	MSD601-RT2	*PAT
Q3314	MSD601-RT2	*PAT
Q3315	MSC2295-BT2	*PAT
Q3316	MSD601-RT2	*PAT
Q3317	MSD601-RT2	*PAT
Q3318	MSD601-RT2	*PAT
Q3319	MSB709-RT2	*PAT
Q3320	MSC2295-BT2	*PAT
Q3321	MSD601-RT2	*PAT
QR3006	MRN1404TE85R	*PAT
QR3007	MRN1404TE85R	*PAT
QR3008	MRN1404TE85R	*PAT
QR3009	DTC363EK-T97	*PAT
QR3010	MRN1404TE85R	*PAT
QR3017	MRN2404TE85R	*PAT
QR3018	MSD601-RT2	*PAT

REF	AG-DS
QR3201	MRN2404
QR3210	*P
R3001	1200/
R3002	10K/
R3003	*PAT/
R3004	100/
R3005	3300/
R3006	6800/
R3008	5600/
R3009	10K/
R3010	8200/
R3011	2200/
R3012	10K/
R3013	1000/
R3014	3300/
R3015	8200/
R3016	1000/
R3017	8200/
R3019	220/
R3021	10K/
R3022	470/
R3023	1000/
R3024	470/
R3025	1500/
R3026	1500/
R3027	470/
R3028	180/
R3029	3300/
R3030	2200/
R3031	1200/
R3032	1000/
R3033	170K/
R3034	3300/
R3035	0/
R3036	47K/
R3040	2200/
R3041	1000/
R3043	1000/
R3044	1000/
R3045	560/
R3054	3300/
R3055	47/

REF	AG-DS850	AG-DS840
QR3201	MRN2404TE85R	*PAT
QR3210	*PAT	*PAT
R3001	1200/J6	*PAT/J6
R3002	10K/J6	*PAT/J6
R3003	*PAT/J6	*PAT/J6
R3004	100/J6	*PAT/J6
R3005	3300/J6	*PAT/J6
R3006	6800/J6	*PAT/J6
R3008	5600/J6	*PAT/J6
R3009	10K/J6	*PAT/J6
R3010	8200/J6	*PAT/J6
R3011	2200/J6	*PAT/J6
R3012	10K/J6	*PAT/J6
R3013	1000/J6	*PAT/J6
R3014	3300/J6	*PAT/J6
R3015	8200/J6	*PAT/J6
R3016	1000/J6	*PAT/J6
R3017	8200/J6	*PAT/J6
R3019	220/J6	*PAT/J6
R3021	10K/J6	*PAT/J6
R3022	470/J6	*PAT/J6
R3023	1000/J6	*PAT/J6
R3024	470/J6	*PAT/J6
R3025	1500/J6	*PAT/J6
R3026	1500/J6	*PAT/J6
R3027	470/J6	*PAT/J6
R3028	180/J6	*PAT/J6
R3029	3300/J6	*PAT/J6
R3030	2200/J6	*PAT/J6
R3031	1200/J6	*PAT/J6
R3032	1000/J6	*PAT/J6
R3033	170K/J6	*PAT/J6
R3034	3300/J6	*PAT/J6
R3035	0/J6	*PAT/J6
R3036	47K/J6	*PAT/J6
R3040	2200/J6	*PAT/J6
R3041	1000/J6	*PAT/J6
R3043	1000/J6	*PAT/J6
R3044	1000/J6	*PAT/J6
R3045	560/J6	*PAT/J6
R3054	3300/J6	*PAT/J6
R3055	47/J6	*PAT/J6
R3056	1000/J6	*PAT/J6
R3057	18K/J6	*PAT/J6
R3059	8200J6	*PAT/J6
R3060	2200/J6	*PAT/J6
R3061	22K/J6	*PAT/J6
R3062	4700/J6	*PAT/J6
R3064	3300/J6	*PAT/J6
R3065	820/J6	*PAT/J6
R3070	0/J6	*PAT/J6
R3071	100/J6	*PAT/J6
R3072	560/J6	*PAT/J6
R3073	270/J6	*PAT/J6
R3078	100K/J6	*PAT/J6
R3091	*PAT/J6	*PAT/J6
R3101	*PAT/J6	*PAT/J6
R3102	*PAT/J6	*PAT/J6
R3108	47K/J6	*PAT/J6
R3117	10K/J6	*PAT/J6
R3118	18K/J6	*PAT/J6
R3119	15K/J6	*PAT/J6
R3120	1800/J6	*PAT/J6
R3131	10K/J6	*PAT/J6
R3132	1M/J6	*PAT/J6
R3133	*PAT/J6	*PAT/J6
R3134	*PAT/J6	*PAT/J6
R3135	100/J6	*PAT/J6
R3136	10K/J6	*PAT/J6
R3137	10K/J6	*PAT/J6
R3138	1500/J6	*PAT/J6
R3139	18K/J6	*PAT/J6
R3140	2200/J6	*PAT/J6
R3141	220K/J6	*PAT/J6
R3142	2700/J6	*PAT/J6
R3143	33K/J6	*PAT/J6
R3144	3900/J6	*PAT/J6
R3145	3900/J6	*PAT/J6
R3146	47K/J6	*PAT/J6
R3147	5600/J6	*PAT/J6
R3148	6800/J6	*PAT/J6
R3149	820/J6	*PAT/J6
R3150	22K/J6	*PAT/J6
R3169	4700/J6	*PAT/J6
R3170	560/J6	*PAT/J6
R3179	*PAT/J6	*PAT/J6
R3188	1000/J6	*PAT/J6
R3189	820/J6	*PAT/J6
R3194	*PAT/J6	*PAT/J6
R3195	0/J6	*PAT/J6
R3196	*PAT/J6	*PAT/J6
R3197	0/J6	*PAT/J6
R3198	3300/J6	*PAT/J6
R3199	1500/J6	*PAT/J6
R3206	*PAT/J6	*PAT/J6
R3210	*PAT/J6	*PAT/J6
R3280	*PAT/J6	*PAT/J6
R3302	1000/J6	*PAT/J6
R3305	1000/J6	*PAT/J6
R3306	220/J6	*PAT/J6
R3307	1000/J6	*PAT/J6
R3308	10K/J6	*PAT/J6
R3312	47K/J6	0/J6
R3319	220/J6	*PAT/J6
R3325	3300/J6	*PAT/J6
R3344	1000/J6	*PAT/J6
R3345	3300/J6	*PAT/J6
R3346	1500/J6	*PAT/J6
R3347	1000/J6	*PAT/J6
R3349	220/J6	*PAT/J6
R3350	1500/J6	*PAT/J6
R3352	0/J6	*PAT/J6
R3353	15K/J6	*PAT/J6
R3354	22K/J6	*PAT/J6
R3355	1000/J6	*PAT/J6
R3356	1000/J6	*PAT/J6
R3357	1000/J6	*PAT/J6
R3358	2200/J6	*PAT/J6
R3359	47/J6	*PAT/J6
R3364	2700/J6	*PAT/J6
R3366	2200/J6	*PAT/J6
R3367	82/J6	*PAT/J6
R3368	1000/J6	*PAT/J6
R3369	150/J6	*PAT/J6
R3370	390/J6	*PAT/J6
R3371	2200/J6	*PAT/J6
R3372	560/J6	*PAT/J6
R3373	270/J6	*PAT/J6
R3374	1000/J6	*PAT/J6
R3375	680/J6	*PAT/J6
R3376	0/J6	*PAT/J6
R3377	2200/J6	*PAT/J6
R3378	330/J6	*PAT/J6
R3379	330/J6	*PAT/J6
R3380	470/J6	*PAT/J6
R3381	*PAT/J6	*PAT/J6
R3382	*PAT/J6	*PAT/J6
R3383	*PAT/J6	*PAT/J6
R3385	220/J6	*PAT/J6
R3386	0/J6	*PAT/J6
R3388	*PAT/J6	*PAT/J6
R3389	22K/J6	*PAT/J6
R3390	470/J6	*PAT/J6
R3391	1500/J6	*PAT/J6
R3392	1000/J6	*PAT/J6
R3393	4700/J6	*PAT/J6
R3394	2200/J6	*PAT/J6
R3395	*PAT/J6	*PAT/J6
R3396	*PAT/J6	*PAT/J6
R3397	680/J6	*PAT/J6
R3398	680/J6	*PAT/J6
R3399	1000/J6	*PAT/J6
R3400	1000/J6	*PAT/J6
R3401	1500/J6	*PAT/J6
R3402	2200/J6	*PAT/J6
R3405	820/J6	*PAT/J6
R3406	150/J6	*PAT/J6
R3407	1000/J6	*PAT/J6
R3408	1000/J6	*PAT/J6
R3409	1000/J6	*PAT/J6
R3410	1000/J6	*PAT/J6
R3411	1500/J6	*PAT/J6
R3501	*PAT/J6	*PAT/J6
R3516	4700/J6	470/J6
R3531	2700/J6	*PAT/J6
R3535	2700/J6	*PAT/J6
R3537	100K/J6	*PAT/J6
R3539	0/J6	*PAT/J6
R3542	390/J6	*PAT/J6
R3543	680/J6	*PAT/J6
R3544	100/J6	*PAT/J6
R3547	0/J6	*PAT/J6
R3548	0/J6	*PAT/J6
R3563	1000/J6	*PAT/J6
R3564	*PAT/J6	*PAT/J6
R3565	47/J6	*PAT/J6
R3566	1000/J6	*PAT/J6
R3567	47/J6	*PAT/J6
R3571	*PAT/J6	*PAT/J6
TP3008	VJR0098	*PAT
TP3302	VJR0098	*PAT
TP3305	VJR0098	*PAT
VR3001	20KB	*PAT
VR3003	5KB	*PAT
VR3006	20KB	*PAT
VR3205	1KB	*PAT
VR3301	10KB	*PAT
VR3305	2KB	*PAT
X3001	VSX0160	*PAT

AUDIO METER COMPARISON CHART (E21)

	AG-DS850	AG-DS840
D4207	MA165	———
D4208	MA165	———
P4201	VJP3081	VJP3529
R4203	2200	———
R4204	2700	———
R4205	2200	———
R4206	2700	———
R4207	510(G)	———
R4208	510(G)	———
VR4201	10KB	———
VR4202	10KB	———
VR4203	10KB	———
VR4204	10KB	———

AUDIO (1) COMPARISON CHART (E7)

REF	AG-DS850	AG-DS840
C40002	0.015	*PAT
C40004	16V10	*PAT
C40005	*PAT	0
C40006	50V1	*PAT
C40007	50V1	*PAT
C40008	16V10	*PAT
C40012	0.1	*PAT
C40013	56P	*PAT
C40021	330P	*PAT
C40022	150P	*PAT
C40023	1000P	*PAT
C40024	0.022	*PAT
C40025	1000P	*PAT
C40026	0.01	*PAT
C40027	0.0015	*PAT
C40028	16V100	*PAT
C40051	0.0015	*PAT
C40053	1000P	*PAT
C40054	1500P	*PAT
C40055	1000P	*PAT
C40056	50V1	*PAT
C40057	50V1	*PAT
C40058	50V1	*PAT
C40059	0.1	*PAT
C40060	1000P	*PAT
C40061	1000P	*PAT
C40062	0.047	*PAT
C40063	16V10	*PAT
C40064	25V4.7	*PAT
C40065	0.0052	*PAT
C40066	0.1	*PAT
C40068	3900P	*PAT
C40069	0.012	*PAT
C40070	0.027	*PAT
C40071	50V1	*PAT
C40072	0.033	*PAT
C40075	0.015	*PAT
C40076	50V1	*PAT
C40089	0.1	*PAT
C40090	56P	*PAT
C40097	16V10	*PAT
C40098	0.027	*PAT
C40099	50V1	*PAT
C40100	*PAT	0
C40101	16V10	*PAT
C40102	50V1	*PAT
C40118	1000P	*PAT

REF	AG-DS850	AG-DS840
C40119	5600P	*PAT
C40120	0.1	*PAT
C40121	330P	*PAT
C40122	150P	*PAT
C40123	0.0015	*PAT
C40124	50V1	*PAT
C40125	1000P	*PAT
C40126	1500P	*PAT
C40127	50V1	*PAT
C40128	50V1	*PAT
C40129	0.1	*PAT
C40131	3900P	*PAT
C40132	0.0012	*PAT
C40133	1000P	*PAT
C40134	1000P	*PAT
C40135	0.047	*PAT
C40136	25V4.7	*PAT
C40137	16V10	*PAT
C40138	0.0033	*PAT
C40159	16V10	*PAT
C40160	16V10	*PAT
C40161	10V100	*PAT
C40162	16V10	*PAT
C40163	16V10	*PAT
C40164	16V10	*PAT
C40165	0.01	*PAT
C40166	0.01	*PAT
C40167	16V10	*PAT
C40168	16V10	*PAT
C40169	16V33	*PAT
C40170	50V1	*PAT
C40171	16V47	*PAT
C40172	16V33	*PAT
C40173	16V47	*PAT
C40175	16V100	*PAT
C40176	16V47	*PAT
C40180	16V10	*PAT
C40181	16V10	*PAT
D40001	MA151K	*PAT
D40003	MA151K	*PAT
D40005	MA151K	*PAT
D40006	MA151K	*PAT
D40008	MA151K	*PAT
D40009	MA151K	*PAT
IC40005	UPC4558G2	*PAT
IC40016	MC14066BF	*PAT
IC40017	MC14066BF	*PAT

REF	AG-DS850	AG-DS840
IC40018	AN6558S	*PAT
IC40019	AN6558S	*PAT
IC40020	M51132L	*PAT
J40002	0	*PAT
J40003	0	*PAT
J40004	0	*PAT
J40006	VELFN200XFFZ	*PAT
J40007	VELFN140XFFZ	*PAT
J40008	*PAT	0
J40009	*PAT	0
L40001	1M	*PAT
L40002	10M	*PAT
L40003	1M	*PAT
L40004	470U	*PAT
L40005	470U	*PAT
L40006	1M	*PAT
L40007	10M	*PAT
P40001	VJP1231T	*PAT
Q40001	2SD1306	*PAT
Q40002	2SD1149-R	*PAT
Q40003	2SD1149-R	*PAT
Q40004	2SB709A	*PAT
Q40005	MSD601-R	*PAT
Q40006	MSD601-R	*PAT
Q40007	MSB709-R	*PAT
Q40009	2SD1862	*PAT
Q40010	2SB643	*PAT
Q40011	2SD1149-R	*PAT
Q40012	MSB709-R	*PAT
Q40013	2SD1149-R	*PAT
Q40014	2SD602A	*PAT
Q40015	2SD602A	*PAT
Q40016	2SB710A-R	*PAT
Q40017	2SB710A-R	*PAT
Q40018	2SD1862TV2	*PAT
Q40019	MSB709-R	*PAT
Q40020	2SD602A	*PAT
Q40021	2SD602A	*PAT
Q40025	2SD1306	*PAT
Q40026	2SD1149-R	*PAT
Q40027	2SB709A	*PAT
Q40028	2SD1149-R	*PAT
Q40029	MSD601-R	*PAT
Q40030	MSD601-R	*PAT
Q40031	MSB709-R	*PAT
Q40033	2SD1149-R	*PAT
Q40034	MSB709-R	*PAT

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Q4003
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ISON CHART (E7)

G-DS840
*PAT
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REF	AG-DS850	AG-DS840
C40119	5600P	*PAT
C40120	0.1	*PAT
C40121	330P	*PAT
C40122	150P	*PAT
C40123	0.0015	*PAT
C40124	50V1	*PAT
C40125	1000P	*PAT
C40126	1500P	*PAT
C40127	50V1	*PAT
C40128	50V1	*PAT
C40129	0.1	*PAT
C40131	3900P	*PAT
C40132	0.0012	*PAT
C40133	1000P	*PAT
C40134	1000P	*PAT
C40135	0.047	*PAT
C40136	25V4.7	*PAT
C40137	16V10	*PAT
C40138	0.0033	*PAT
C40159	16V10	*PAT
C40160	16V10	*PAT
C40161	10V100	*PAT
C40162	16V10	*PAT
C40163	16V10	*PAT
C40164	16V10	*PAT
C40165	0.01	*PAT
C40166	0.01	*PAT
C40167	16V10	*PAT
C40168	16V10	*PAT
C40169	16V33	*PAT
C40170	50V1	*PAT
C40171	16V47	*PAT
C40172	16V33	*PAT
C40173	16V47	*PAT
C40175	16V100	*PAT
C40176	16V47	*PAT
C40180	16V10	*PAT
C40181	16V10	*PAT
D40001	MA151K	*PAT
D40003	MA151K	*PAT
D40005	MA151K	*PAT
D40006	MA151K	*PAT
D40008	MA151K	*PAT
D40009	MA151K	*PAT
IC40005	UPC4558G2	*PAT
IC40016	MC14066BF	*PAT
IC40017	MC14066BF	*PAT

REF	AG-DS850	AG-DS840
IC40018	AN6558S	*PAT
IC40019	AN6558S	*PAT
IC40020	M51132L	*PAT
J40002	0	*PAT
J40003	0	*PAT
J40004	0	*PAT
J40006	VELFN200XFFZ	*PAT
J40007	VELFN140XFFZ	*PAT
J40008	*PAT	0
J40009	*PAT	0
L40001	1M	*PAT
L40002	10M	*PAT
L40003	1M	*PAT
L40004	470U	*PAT
L40005	470U	*PAT
L40006	1M	*PAT
L40007	10M	*PAT
P40001	VJP1231T	*PAT
Q40001	2SD1306	*PAT
Q40002	2SD1149-R	*PAT
Q40003	2SD1149-R	*PAT
Q40004	2SB709A	*PAT
Q40005	MSD601-R	*PAT
Q40006	MSD601-R	*PAT
Q40007	MSB709-R	*PAT
Q40009	2SD1862	*PAT
Q40010	2SB643	*PAT
Q40011	2SD1149-R	*PAT
Q40012	MSB709-R	*PAT
Q40013	2SD1149-R	*PAT
Q40014	2SD602A	*PAT
Q40015	2SD602A	*PAT
Q40016	2SB710A-R	*PAT
Q40017	2SB710A-R	*PAT
Q40018	2SD1862TV2	*PAT
Q40019	MSB709-R	*PAT
Q40020	2SD602A	*PAT
Q40021	2SD602A	*PAT
Q40025	2SD1306	*PAT
Q40026	2SD1149-R	*PAT
Q40027	2SB709A	*PAT
Q40028	2SD1149-R	*PAT
Q40029	MSD601-R	*PAT
Q40030	MSD601-R	*PAT
Q40031	MSB709-R	*PAT
Q40033	2SD1149-R	*PAT
Q40034	MSB709-R	*PAT

REF	AG-DS850	AG-DS840
Q40035	2SB643	*PAT
Q40036	2SD1862	*PAT
Q40037	MSB709-R	*PAT
Q40038	2SD602A	*PAT
Q40039	2SD602A	*PAT
Q40040	2SB710A-R	*PAT
Q40044	2SD1149-R	*PAT
Q40047	2SD602-R	*PAT
Q40048	MSD601-R	*PAT
Q40049	2SD1862	*PAT
QR40001	MRN1403	*PAT
QR40002	MRN1403	*PAT
QR40003	MRN1403	*PAT
QR40004	UN2114	*PAT
QR40005	MRN1403	*PAT
QR40006	MRN1404	*PAT
QR40007	MRN1403	*PAT
QR40013	UN2217	*PAT
QR40014	UN2215	*PAT
QR40015	MRN1403	*PAT
QR40016	MRN1403	*PAT
QR40017	MRN1403	*PAT
QR40018	UN2114	*PAT
QR40019	MRN1403	*PAT
QR40025	MRN1403	*PAT
QR40026	UN2215	*PAT
QR40027	UN2217	*PAT
QR40028	MRN1404	*PAT
QR40029	MRN2404	*PAT
QR40030	MRN2404	*PAT
QR40031	MRN2404	*PAT
QR40032	MRN2404	*PAT
R40001	4700	*PAT
R40002	4700	*PAT
R40003	4700	*PAT
R40004	4700	*PAT
R40005	4700	*PAT
R40006	4700	*PAT
R40007	4700	*PAT
R40008	22K	*PAT
R40009	12K	*PAT
R40013	27K	*PAT
R40014	8200	*PAT
R40015	100K	*PAT
R40016	33K	*PAT
R40017	100K	*PAT
R40018	1000	*PAT

REF	AG-DS850	AG-DS840
R40019	820K	*PAT
R40020	4700	*PAT
R40021	4700	*PAT
R40023	5600	*PAT
R40030	12K	*PAT
R40044	100K	*PAT
R40047	47K	*PAT
R40060	10K	*PAT
R40061	22K	*PAT
R40062	560K	*PAT
R40063	33	*PAT
R40064	680	*PAT
R40065	4700	*PAT
R40066	6800	*PAT
R40067	1000	*PAT
R40068	18K	*PAT
R40069	100K	*PAT
R40070	82K	*PAT
R40071	27K	*PAT
R40072	220	*PAT
R40073	2200	*PAT
R40074	22K	*PAT
R40075	6800	*PAT
R40076	10	*PAT
R40077	5600	*PAT
R40078	1000	*PAT
R40079	4700	*PAT
R40080	4700	*PAT
R40081	4700	*PAT
R40082	1.5M	*PAT
R40083	3900	*PAT
R40084	820	*PAT
R40085	1.5M	*PAT
R40086	10K	*PAT
R40087	10K	*PAT
R40088	22K	*PAT
R40089	33K	*PAT
R40090	12K	*PAT
R40091	5600	*PAT
R40092	5600	*PAT
R40093	4700	*PAT
R40094	4700	*PAT
R40095	10K	*PAT
R40096	4700	*PAT
R40097	2700	*PAT
R40098	4700	*PAT
R40099	12K	*PAT

AUDIO (1) COMPARISON CHART (E7) (Continue)

REF	AG-DS850	AG-DS840
R40100	22K	∗PAT
R40101	470	∗PAT
R40103	12K	∗PAT
R40118	47K	∗PAT
R40119	100K	∗PAT
R40127	470	∗PAT
R40128	560	∗PAT
R40131	27K	∗PAT
R40133	33K	∗PAT
R40134	100K	∗PAT
R40135	8200	∗PAT
R40136	100K	∗PAT
R40137	1000	∗PAT
R40138	820K	∗PAT
R40139	470	∗PAT
R40152	10K	∗PAT
R40153	22K	∗PAT
R40154	560K	∗PAT
R40155	220	∗PAT
R40156	18K	∗PAT
R40157	2200	∗PAT
R40158	100K	∗PAT
R40159	27K	∗PAT
R40160	82K	∗PAT
R40161	10K	∗PAT
R40162	10K	∗PAT
R40163	10K	∗PAT
R40164	1.5M	∗PAT
R40165	820	∗PAT
R40166	3900	∗PAT
R40167	1.5M	∗PAT
R40168	33	∗PAT
R40169	680	∗PAT
R40170	4700	∗PAT
R40171	1000	∗PAT
R40172	6800	∗PAT
R40173	22K	∗PAT
R40174	6800	∗PAT
R40175	10	∗PAT
R40176	5600	∗PAT
R40177	1000	∗PAT
R40178	470	∗PAT
R40179	470	∗PAT
R40180	470	∗PAT
R40208	100	∗PAT
R40209	100K	∗PAT
R40210	100K	∗PAT
R40211	10K	∗PAT
R40212	1000	∗PAT
R40213	1000	∗PAT
R40214	1000	∗PAT
R40215	1000	∗PAT
R40216	100K	∗PAT
R40217	100K	∗PAT
R40218	1000	∗PAT
R40219	10K	∗PAT
R40220	10K	∗PAT
R40221	1000	∗PAT
R40222	100K	∗PAT
R40223	1000	∗PAT
R40224	10K	∗PAT
R40225	10K	∗PAT
R40226	10K	∗PAT
R40227	10K	∗PAT
R40228	10K	∗PAT
R40229	150	∗PAT
R40230	1000	∗PAT
R40231	100K	∗PAT
R40232	100K	∗PAT
R40233	10K	∗PAT
R40234	100K	∗PAT
R40235	1000	∗PAT
R40236	1000	∗PAT
R40237	10K	∗PAT
R40240	100K	∗PAT
R40241	1000K	∗PAT

AUDIO (2) COMPARISON CHART (E8)

REF	AG-DS850	AG-DS840
C41002	0.01	∗PAT
C41037	0.01	∗PAT
C41053	25V4.7	∗PAT
C41054	25V4.7	∗PAT
C41062	10V100	∗PAT
C41063	50V1	∗PAT
C41064	50V1	∗PAT
C41071	0.01	∗PAT
C41079	10V33	∗PAT
C41081	1000P	∗PAT
C41083	16V10	∗PAT
C41096	16V47	∗PAT
C41097	0.01	∗PAT
C41098	0.01	∗PAT
C41099	0.01	∗PAT
C41100	12P	∗PAT
C41101	0.01	∗PAT
C41102	330P	∗PAT
C41103	330P	∗PAT
C41104	0.01	∗PAT
C41106	0.01	∗PAT
C41107	0.01	∗PAT
C41108	0.01	∗PAT
C41109	16V47	∗PAT
C41111	0.01	∗PAT
C41112	330P	∗PAT
C41113	330P	∗PAT
C41114	100P	∗PAT
C41120	16V47	∗PAT
D41011	MA157	∗PAT
FL41001	VLF0696	VLF0697
IC41009	UPC4558G2	∗PAT
L41009	100U	∗PAT
L41010	100U	∗PAT
L41011	15U	∗PAT
L41012	100U	∗PAT
P41002	VJP3529	∗PAT
Q41001	2SB709A-R	∗PAT
Q41004	2SD636-R	∗PAT
Q41005	XN1501	∗PAT
Q41007	MSD601-R	∗PAT
Q41011	2SD1306	∗PAT
Q41019	MSC2295-B	∗PAT
Q41020	MSC2295-B	∗PAT
Q41021	MSD601-R	∗PAT
Q41022	2SD602A-R	∗PAT
Q41023	2SD602A-R	∗PAT
Q41024	2SD602A-R	∗PAT
Q41025	2SB644	∗PAT
Q41026	2SD639	∗PAT
Q41027	2SC2404	∗PAT
Q41028	MSD601-R	∗PAT
Q41029	2SD602A-R	∗PAT
Q41030	2SD602A-R	∗PAT
Q41031	2SB644	∗PAT
Q41032	2SD639	∗PAT
Q41033	2SC2404	∗PAT
Q41034	2SD602A-R	∗PAT
Q41035	2SB793	∗PAT
Q41050	2SD973	∗PAT
QR41005	MRN1403	∗PAT
QR41008	MRN1403	∗PAT
QR41009	MRN2404	∗PAT
QR41010	MRN1404	∗PAT
QR41011	MRN1404	∗PAT
R41001	5600	∗PAT
R41002	5600	∗PAT
R41024	22K	6200
R41036	5600	∗PAT
R41037	5600	∗PAT
R41052	33	∗PAT
R41053	1000	∗PAT
R41054	22K	∗PAT
R41055	22K	∗PAT
R41056	6800	∗PAT
R41057	3300	∗PAT
R41058	2200	∗PAT
R41059	8200	∗PAT
R41079	5600	∗PAT
R41080	10K	∗PAT
R41081	1M	∗PAT
R41083	10K	∗PAT
R41084	10K	∗PAT
R41085	2200	∗PAT
R41086	100K	∗PAT
R41087	1000	∗PAT
R41088	1800	∗PAT
R41089	2700	∗PAT
R41090	10K	∗PAT
R41092	1000	∗PAT
R41093	1000	∗PAT
R41094	47K	∗PAT
R41095	20K	∗PAT
R41096	10K	∗PAT

AUDIO (2) COMPARISON CHART (E8)

REF	AG-DS850	AG-DS840
C41002	0.01	*PAT
C41037	0.01	*PAT
C41053	25V4.7	*PAT
C41054	25V4.7	*PAT
C41062	10V100	*PAT
C41063	50V1	*PAT
C41064	50V1	*PAT
C41071	0.01	*PAT
C41079	10V33	*PAT
C41081	1000P	*PAT
C41083	16V10	*PAT
C41096	16V47	*PAT
C41097	0.01	*PAT
C41098	0.01	*PAT
C41099	0.01	*PAT
C41100	12P	*PAT
C41101	0.01	*PAT
C41102	330P	*PAT
C41103	330P	*PAT
C41104	0.01	*PAT
C41106	0.01	*PAT
C41107	0.01	*PAT
C41108	0.01	*PAT
C41109	16V47	*PAT
C41111	0.01	*PAT
C41112	330P	*PAT
C41113	330P	*PAT
C41114	100P	*PAT
C41120	16V47	*PAT
D41011	MA157	*PAT
FL41001	VLF0696	VLF0697
IC41009	UPC4558G2	*PAT
L41009	100U	*PAT
L41010	100U	*PAT
L41011	15U	*PAT
L41012	100U	*PAT
P41002	VJP3529	*PAT
Q41001	2SB709A-R	*PAT
Q41004	2SD636-R	*PAT
Q41005	XN1501	*PAT
Q41007	MSD601-R	*PAT
Q41011	2SD1306	*PAT
Q41019	MSC2295-B	*PAT
Q41020	MSC2295-B	*PAT
Q41021	MSD601-R	*PAT
Q41022	2SD602A-R	*PAT
Q41023	2SD602A-R	*PAT
Q41024	2SD602A-R	*PAT
Q41025	2SB644	*PAT
Q41026	2SD639	*PAT
Q41027	2SC2404	*PAT
Q41028	MSD601-R	*PAT
Q41029	2SD602A-R	*PAT
Q41030	2SD602A-R	*PAT
Q41031	2SB644	*PAT
Q41032	2SD639	*PAT
Q41033	2SC2404	*PAT
Q41034	2SD602A-R	*PAT
Q41035	2SB793	*PAT
Q41050	2SD973	*PAT
QR41005	MRN1403	*PAT
QR41008	MRN1403	*PAT
QR41009	MRN2404	*PAT
QR41010	MRN1404	*PAT
QR41011	MRN1404	*PAT
R41001	5600	*PAT
R41002	5600	*PAT
R41024	22K	6200
R41036	5600	*PAT
R41037	5600	*PAT
R41052	33	*PAT
R41053	1000	*PAT
R41054	22K	*PAT
R41055	22K	*PAT
R41056	6800	*PAT
R41057	3300	*PAT
R41058	2200	*PAT
R41059	8200	*PAT
R41079	5600	*PAT
R41080	10K	*PAT
R41081	1M	*PAT
R41083	10K	*PAT
R41084	10K	*PAT
R41085	2200	*PAT
R41086	100K	*PAT
R41087	1000	*PAT
R41088	1800	*PAT
R41089	2700	*PAT
R41090	10K	*PAT
R41092	1000	*PAT
R41093	1000	*PAT
R41094	47K	*PAT
R41095	20K	*PAT
R41096	10K	*PAT
R41137	1	*PAT
R41138	22K	*PAT
R41139	33K	*PAT
R41140	10K	*PAT
R41141	2700	*PAT
R41142	12K	*PAT
R41143	22K	*PAT
R41144	15K	*PAT
R41145	1000	*PAT
R41146	3900	*PAT
R41147	390	*PAT
R41148	5600	*PAT
R41150	2200	*PAT
R41151	330	*PAT
R41152	3.3	*PAT
R41153	1200	*PAT
R41154	3.3	*PAT
R41155	4700	*PAT
R41156	2200	*PAT
R41157	1200	*PAT
R41158	2200	*PAT
R41159	15K	*PAT
R41160	15K	*PAT
R41161	2200	*PAT
R41162	27	*PAT
R41163	27	*PAT
R41164	1500	*PAT
R41165	3900	*PAT
R41167	390	*PAT
R41168	5600	*PAT
R41169	2200	*PAT
R41170	330	*PAT
R41171	3.3	*PAT
R41172	1200	*PAT
R41173	2200	*PAT
R41174	15K	*PAT
R41175	15K	*PAT
R41176	3.3	*PAT
R41177	1200	*PAT
R41178	2200	*PAT
R41179	27	*PAT
R41180	27	*PAT
R41181	4700	*PAT
R41182	2200	*PAT
R41221	2200	*PAT
R41222	1500	*PAT
R41223	2200	*PAT
R41224	1500	*PAT
R41226	6800	*PAT
R41227	10K	*PAT
R41250	*PAT	0
R41251	*PAT	0
R41252	27K	*PAT
R41253	27K	*PAT
TP41009	VJR0098	*PAT
TP41010	VJR0098	*PAT
TPG4100	VJR0098	*PAT
TPG4101	*PAT	VJR0098
VR41103	2KB	*PAT
VR41007	10KB	*PAT
VR41008	2KB	*PAT
VR41009	2KB	*PAT
VR41015	2KB	*PAT
VR41016	2KB	*PAT

FRONT COMPARISON CHART (E16)

REF	AG-DS850:JAPAN	AG-DS850P	AG-DS840:JAPAN	AG-DS840P
C62006	*PAT/EVV	*PAT/EVV	*PAT/EVV	*PAT/EVV
D62001	*PAT	*PAT	*PAT	*PAT
D62003	*PAT	*PAT	*PAT	*PAT
D62004	*PAT	*PAT	*PAT	*PAT
D62048	MA151K-TW	MA151K-TW	*PAT	*PAT
J62001	0/J6	*PAT/J6	0/J6	*PAT/J6
J62002	*PAT/J6	*PAT/J6	*PAT/J6	*PAT/J6
J62003	*PAT/J6	*PAT/J6	*PAT/J6	*PAT/J6
J62004	*PAT/J6	*PAT/J6	*PAT/J6	*PAT/J6
J62006	*PAT/J6	*PAT/J6	0/J6	0/J6
P62008	VJP1394T	VJP1394T	VJP3530	VJP3530
Q62001	*PAT	*PAT	*PAT	*PAT
Q62009	MSB710-RT2	MSB710-RT2	*PAT	*PAT
R62002	*PAT/J14	*PAT/J14	*PAT/J14	*PAT/J14
R62060	*PAT/J14	*PAT/J14	*PAT/J14	*PAT/J14
R62086	100K/J6	100K/J6	*PAT/J6	*PAT/J6
R62087	1000/J6	1000/J6	*PAT/J6	*PAT/J6
R62104	47/J14	47/J14	*PAT/J14	*PAT/J14
R62105	33/J14	33/J14	*PAT/J14	*PAT/J14
R62106	33/J14	33/J14	*PAT/J14	*PAT/J14
R62107	33/J14	33/J14	*PAT/J14	*PAT/J14
SW62017	VSS0324	VSS0324	VSS0225	VSS0225
SW62019	VSS0324	VSS0324	*PAT	*PAT
TP62001	*PAT	*PAT	*PAT	*PAT
TP62002	*PAT	*PAT	*PAT	*PAT
TP62003	*PAT	*PAT	*PAT	*PAT
TP62005	*PAT	*PAT	*PAT	*PAT
TP62006	*PAT	*PAT	*PAT	*PAT
TP62007	*PAT	*PAT	*PAT	*PAT
TP62008	*PAT	*PAT	*PAT	*PAT
TP62009	*PAT	*PAT	*PAT	*PAT
TP62010	*PAT	*PAT	*PAT	*PAT
TP62011	*PAT	*PAT	*PAT	*PAT
TP62012	*PAT	*PAT	*PAT	*PAT

FRONT LED COMPARISON CHART (E17)

REF	AG-DS850	AG-DS840
SW62501	VSP0151-2	VSP0829
SW62502	VSP0780	VSP0829
SW62503	VSP0780	VSP0829
SW62504	VSP0780	VSP0829

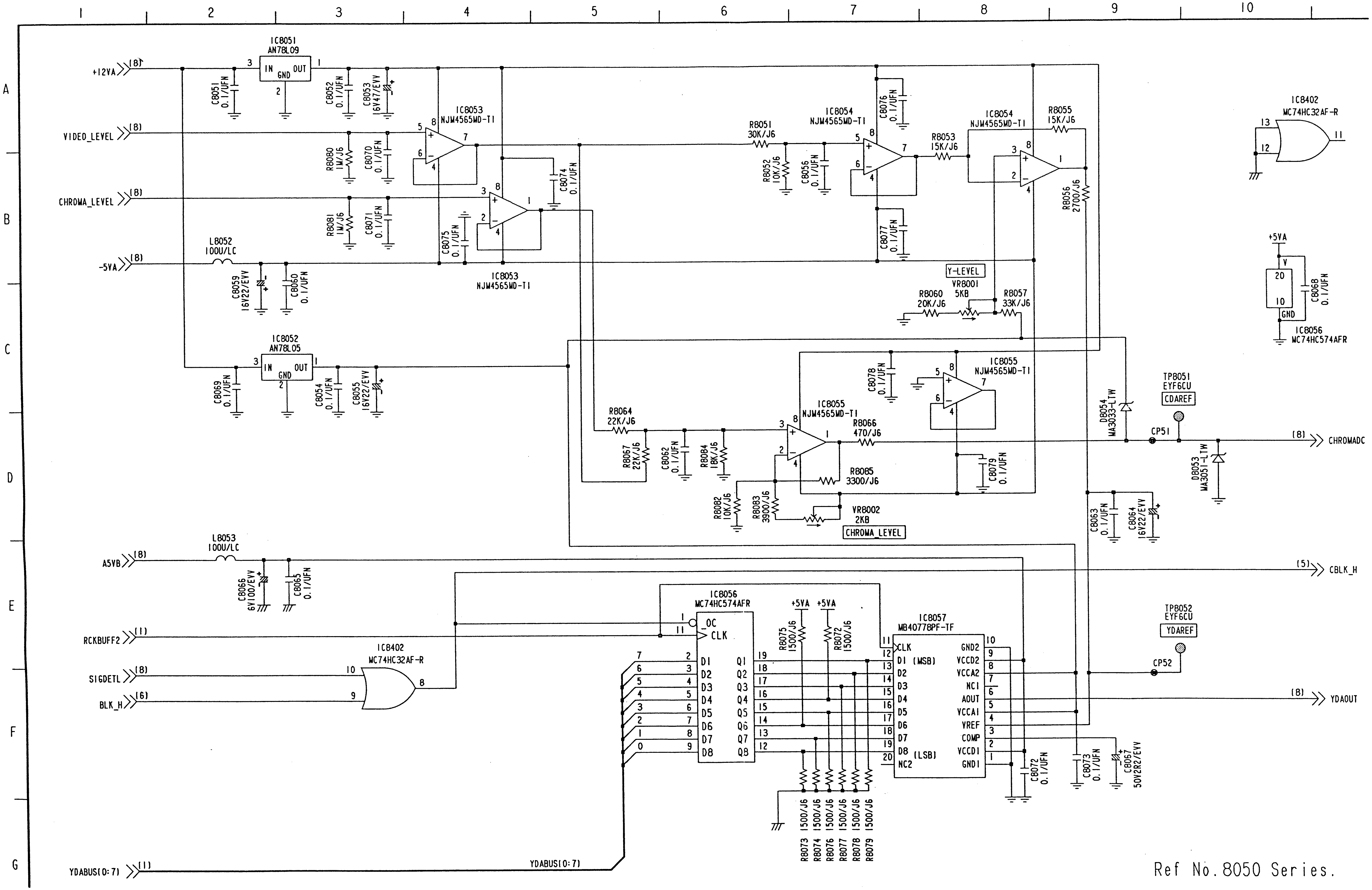
FRONT JACK COMPARISON CHART (E19)

	AG-DS850	AG-DS840
D4901	MA165TA5VT	*PAT
R4901	33K/DS	*PAT/DS
R4902	10K/DS	*PAT/DS
VR4903	EVU023015B14	*PAT

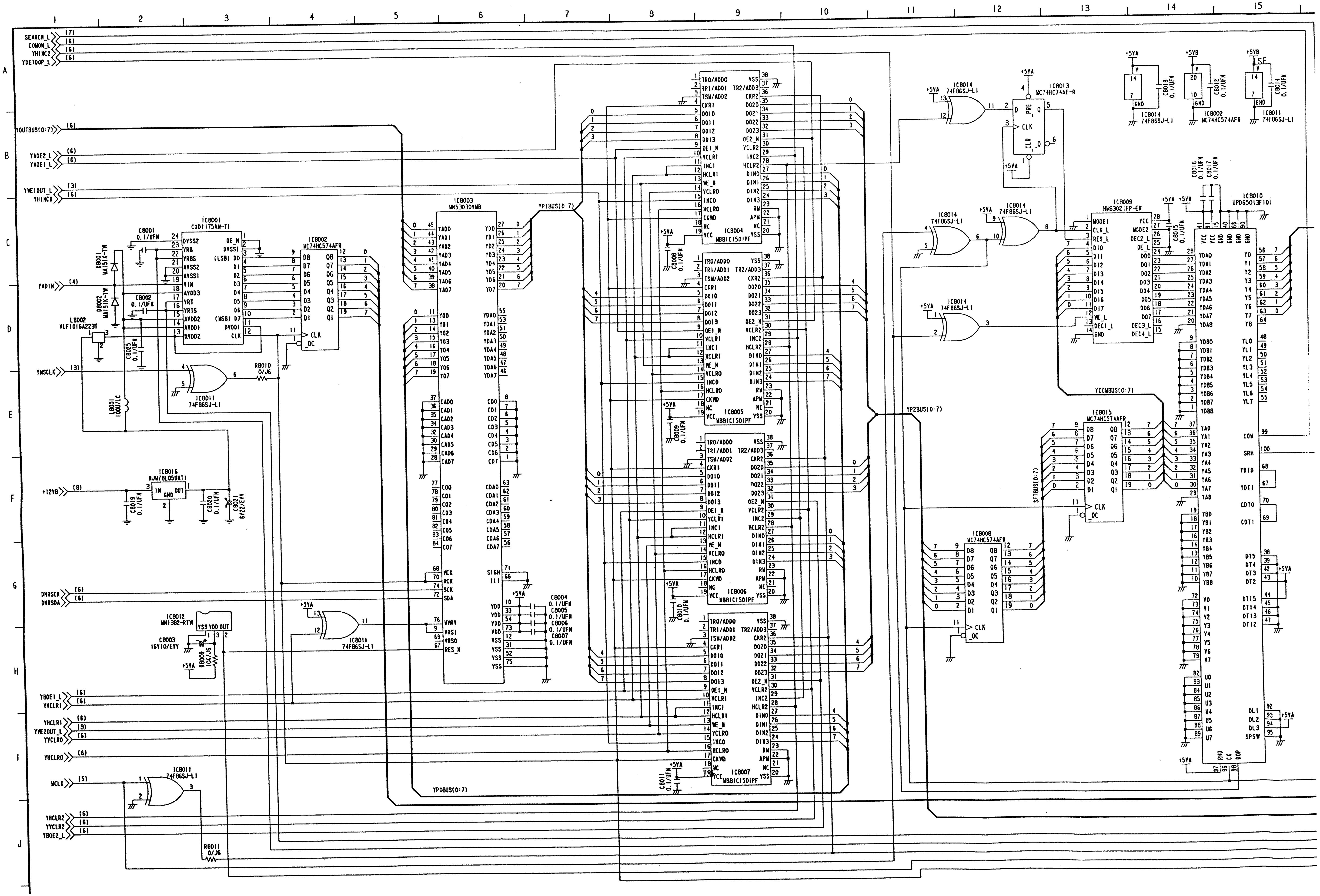
KEYBOARD COMPARISON CHART (E18)

REF	AG-DS850	AG-DS840
D62708	MA165-TW	*PAT
D62709	MA165-TW	*PAT
R62708	56/ST2	*PAT/ST2
R62709	56/ST2	*PAT/ST2
SW62708	VSP0789	*PAT
SW62709	VSP0795	*PAT

Y MEMORY-2 SCHEMATIC DIAGRAM 2/9 (E11: Page CBA-6)

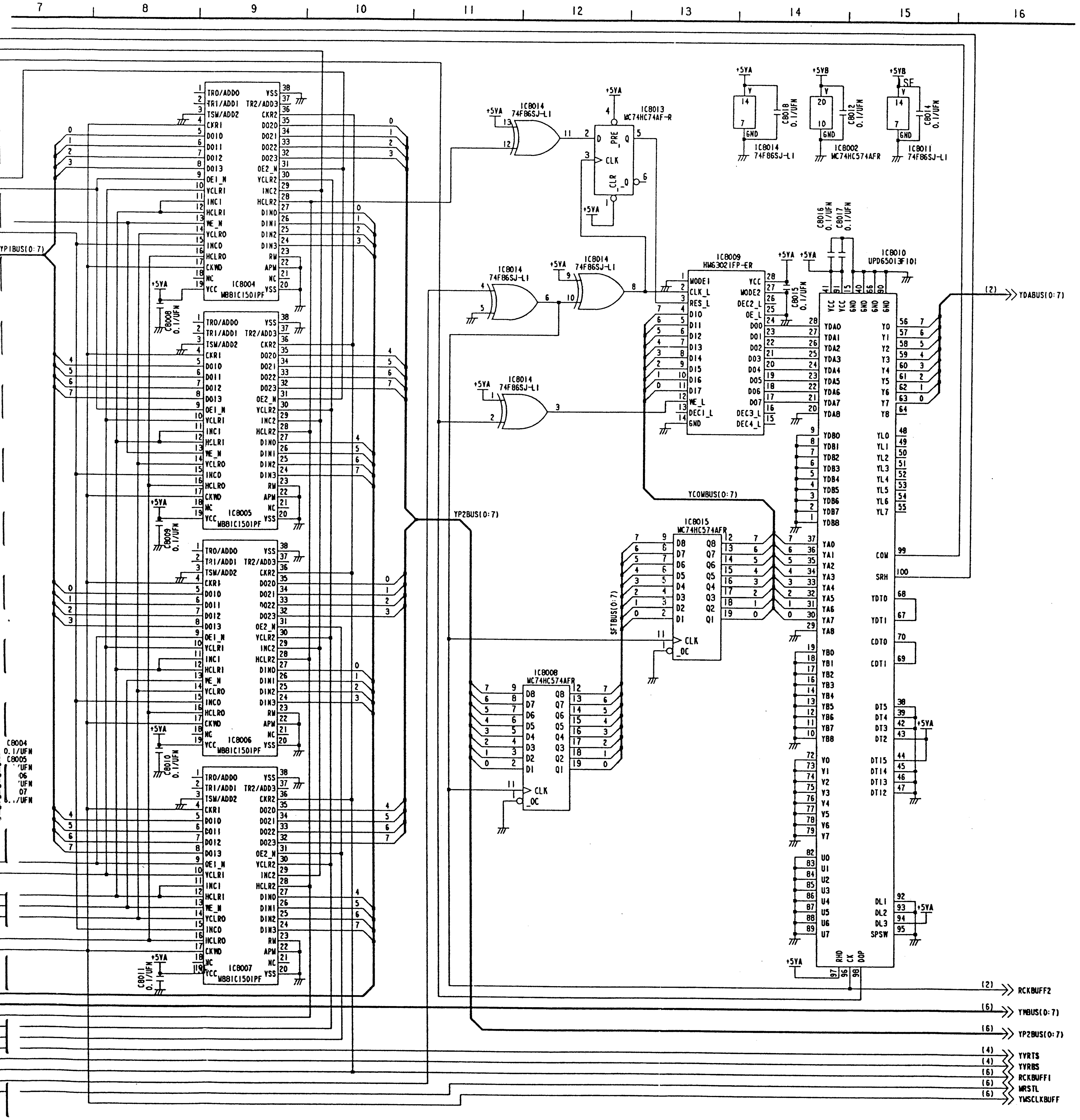

1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
+12VA (8)
VIDEO_LEVEL (8)
CHROMA_LEVEL (8)
-5VA (8)
A5VB (8)
RCKBUFF2 (1)
SIGDETL (8)
BLK_H (6)
YDABUS(0:7) (1)
YDABUS(0:7)
IC8051
AN78L09
IN
OUT
GND
IC8052
AN78L05
IC8053
NJM4565MD-T1
IC8054
NJM4565MD-T1
IC8055
NJM4565MD-T1
IC8056
MC74HC574AFR
IC8057
MB40778PF-TF
IC8402
MC74HC32AF-R
C8051 0.1/UFN
C8052 0.1/UFN
C8053 16V47/EVV
C8054 0.1/UFN
C8055 16V22/EVV
C8056 0.1/UFN
C8059 16V22/EVV
C8060 0.1/UFN
C8062 0.1/UFN
C8063 0.1/UFN
C8064 16V22/EVV
C8065 0.1/UFN
C8066 6V100/EVV
C8067 50V2R2/EVV
C8068 0.1/UFN
C8069 0.1/UFN
C8070 0.1/UFN
C8071 0.1/UFN
C8072 0.1/UFN
C8073 0.1/UFN
C8074 0.1/UFN
C8075 0.1/UFN
C8076 0.1/UFN
C8077 0.1/UFN
C8078 0.1/UFN
C8079 0.1/UFN
L8052 100U/LC
L8053 100U/LC
R8051 30K/J6
R8052 10K/J6
R8053 15K/J6
R8055 15K/J6
R8056 2700/J6
R8057 33K/J6
R8060 20K/J6
R8064 22K/J6
R8066 470/J6
R8067 22K/J6
R8072 1500/J6
R8073 1500/J6
R8074 1500/J6
R8075 1500/J6
R8076 1500/J6
R8077 1500/J6
R8078 1500/J6
R8079 1500/J6
R8080 1M/J6
R8081 1M/J6
R8082 10K/J6
R8083 3900/J6
R8084 18K/J6
R8085 3300/J6
VR8001 5KB
Y-LEVEL
VR8002 2KB
CHROMA_LEVEL
D8053 MA3051-LTW
D8054 MA3033-LTW
TP8051 EYF6CU
CDAREF
TP8052 EYF6CU
YDAREF
CP51
CP52
(8) CHROMADC
(5) CBLK_H
(8) YDAOUT
+5VA
_OC
CLK
D1 D2 D3 D4 D5 D6 D7 D8
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
D1 (MSB)
D8 (LSB)
NC2
GND2
VCCD2
VCCA2
NC1
AOUT
VCCA1
VREF
COMP
VCCD1
GND1
V
GND
Ref No.8050 Series.

Y MEMORY-1 SCHEMATIC DIAGRAM 1/9 (E11: Page CBA-6)



SEARCH_L
COMON_L
YHINC2
YDETDOP_L
YOUTBUS(0:7)
YAOE2_L
YAOE1_L
YMEIOUT_L
YHINCO
YADIN
YMSCLK
+12VB
DNRSCK
DNRSDA
YBOE1_L
YYCLR1
YHCLR1
YME2OUT_L
YYCLRO
YHCLRO
WCLK
YHCLR2
YYCLR2
YBOE2_L
IC8001
CXD1175AM-T1
IC8002
MC74HC574AFR
IC8003
MN53030VWB
IC8004
MB81C1501PF
IC8005
MB81C1501PF
IC8006
MB81C1501PF
IC8007
MB81C1501PF
IC8008
MC74HC574AFR
IC8009
HM63021FP-ER
IC8010
UPD65013F101
IC8011
74F86SJ-L1
IC8012
MN1382-RTW
IC8013
MC74HC74AF-R
IC8014
74F86SJ-L1
IC8015
MC74HC574AFR
IC8016
NJM78L05UAT1
YP1BUS(0:7)
YP2BUS(0:7)
YP0BUS(0:7)
YCOMBUS(0:7)
SFTBUS(0:7)
L8001
100U/LC
L8002
YLF1016A223T
D8001
MA151K-TW
D8002
MA151K-TW
R8010
0/J6
R8011
0/J6
R8009
10K/J6
C8003
16V10/EVY
C8021
6V22/EVY
+5VA
+5VB

5)


7
8
9
10
11
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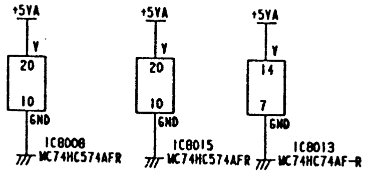
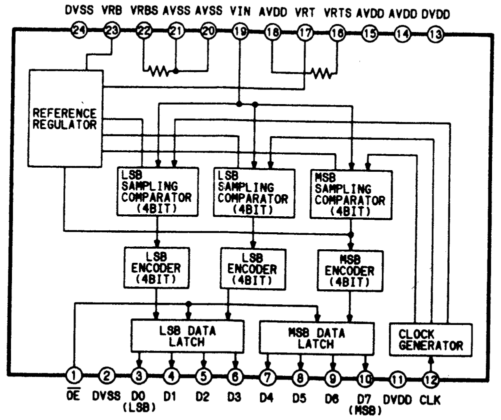
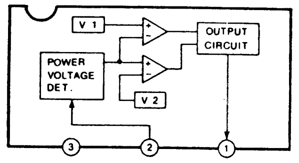
13
14
15
16
IC8004 MB81C1501PF
IC8005 MB81C1501PF
IC8006 MB81C1501PF
IC8007 MB81C1501PF
C8008 0.1/UFN
C8009 0.1/UFN
C8010 0.1/UFN
C8011 0.1/UFN
C8004 0.1/UFN
C8005
YP1BUS(0:7)
YP2BUS(0:7)
IC8014 74F86SJ-L1
IC8013 MC74HC74AF-R
IC8009 HM63021FP-ER
IC8010 UPD65013F101
IC8015 MC74HC574AFR
IC8008 MC74HC574AFR
IC8002 MC74HC574AFR
IC8011 74F86SJ-L1
C8018 0.1/UFN
C8012 0.1/UFN
C8014 0.1/UFN
C8015 0.1/UFN
C8016 0.1/UFN
C8017 0.1/UFN
+5VA
+5VB
SF
YCOMBUS(0:7)
SFTBUS(0:7)
(2) YDABUS(0:7)
(2) RCKBUFF2
(6) YMBUS(0:7)
(6) YP2BUS(0:7)
(4) YVRTS
(4) YVRBS
(6) RCKBUFF1
(6) MRSTL
(6) YMSCLKBUFF


+5VA
IC8008 MC74HC574AFR
IC8015 MC74HC574AFR
IC8013 MC74HC74AF-R
GND

IC8001
CXD1175M


DVSS VRB VRBS AVSS AVSS VIN AVDD VRT VRTS AVDD AVDD DVDD
REFERENCE REGULATOR
LSB SAMPLING COMPARATOR (4BIT)
LSB SAMPLING COMPARATOR (4BIT)
MSB SAMPLING COMPARATOR (4BIT)
LSB ENCODER (4BIT)
LSB ENCODER (4BIT)
MSB ENCODER (4BIT)
LSB DATA LATCH
MSB DATA LATCH
CLOCK GENERATOR
OE DVSS D0 (LSB) D1 D2 D3 D4 D5 D6 D7 (MSB) DVDD CLK

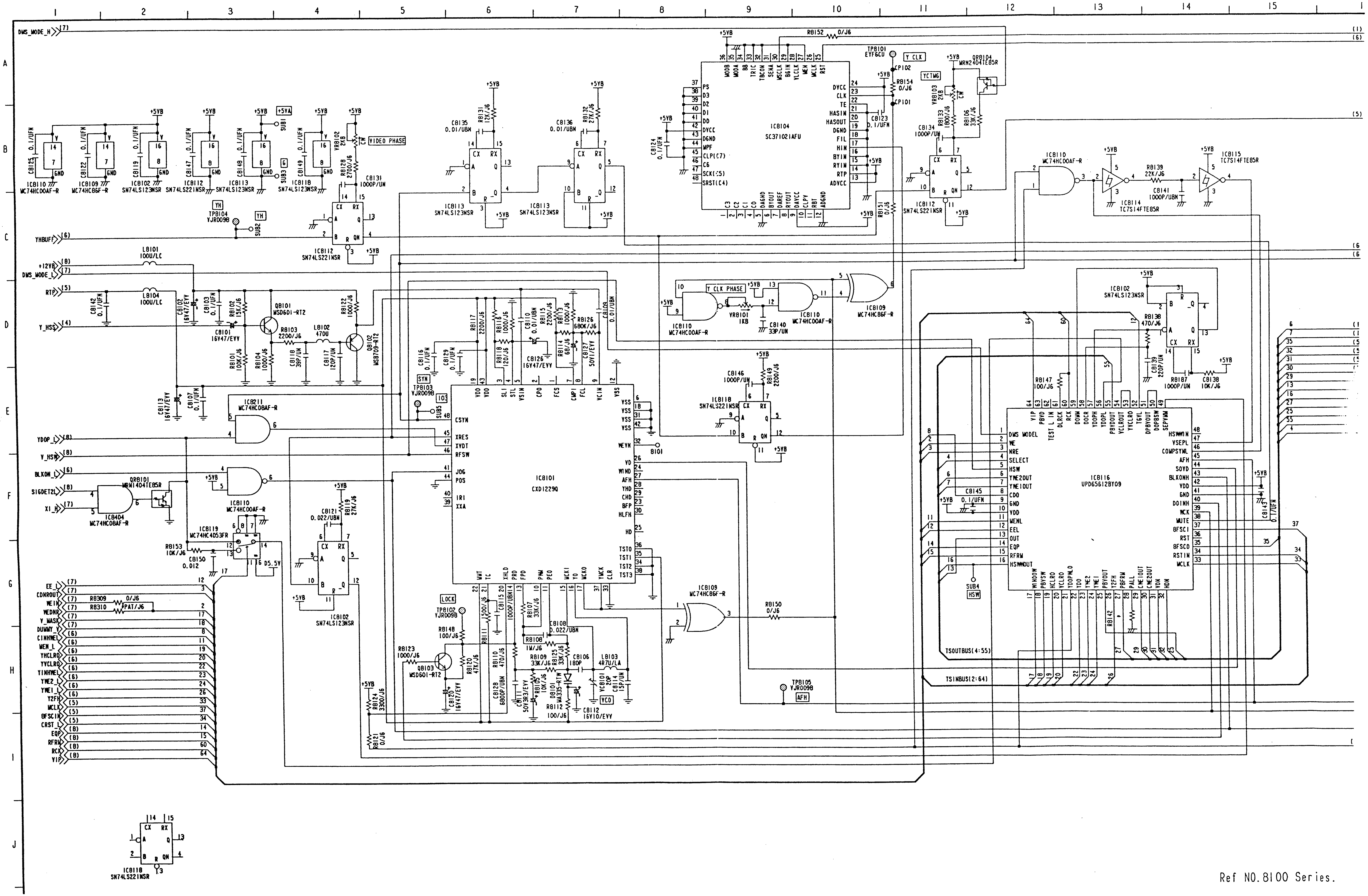
IC8012
MN1382-RTW


V1
V2
OUTPUT CIRCUIT
POWER VOLTAGE DET.

*=REFER TO THE COMPARISON CHAFT

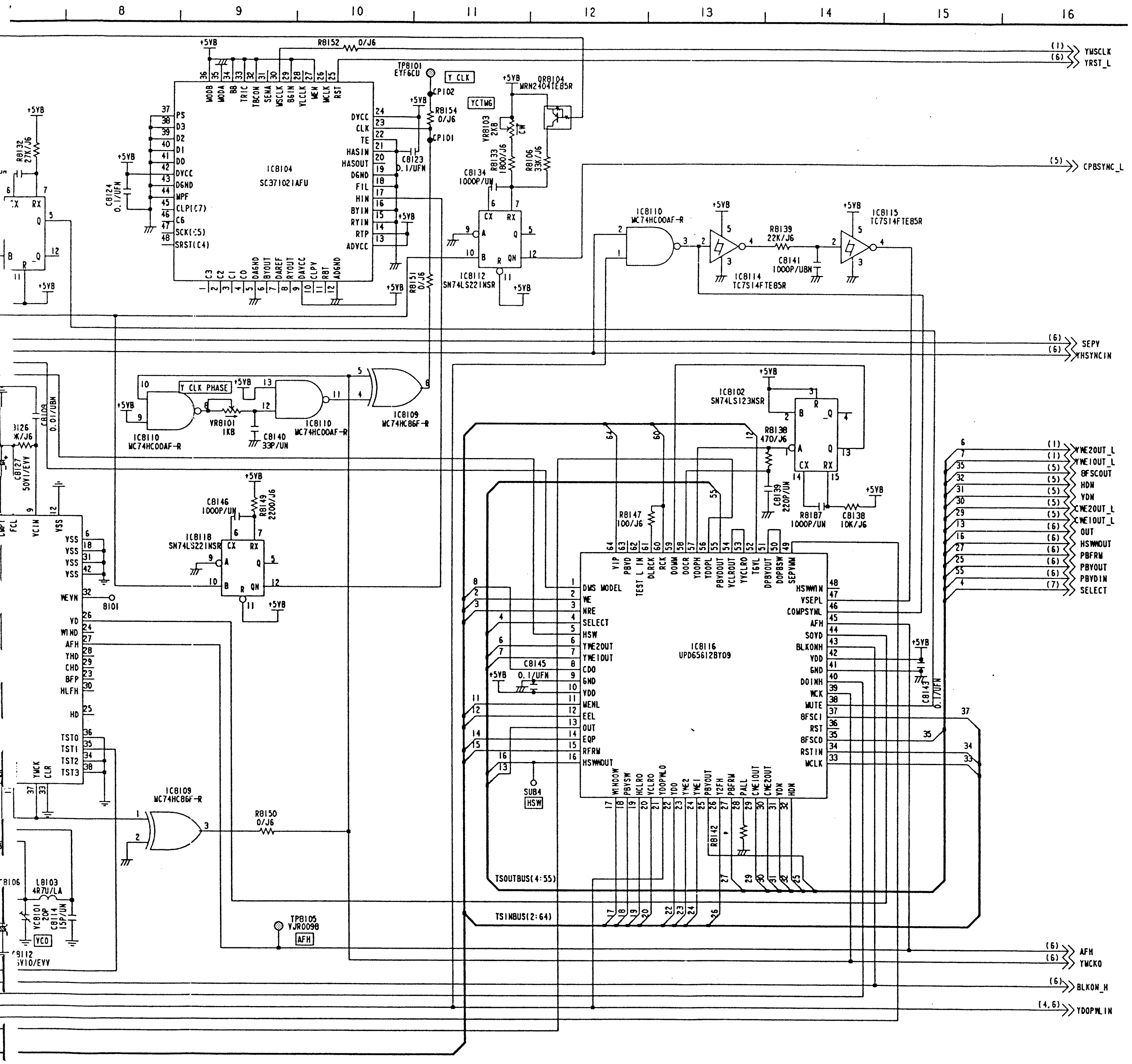
Ref No.8000 Series.

SYNC SEP & AFC SCHEMATIC DIAGRAM 3/9 (E11: Page CBA-6)


DMS_MODE_H
YHBUFF
+12VB
DMS_MODE_L
RTP
Y_HSS
YDOP_L
Y_HSW
BLKON_L
SIGDET2L
XI_H
EE_L
CONROUT
WE1N
WEDNR
Y_MASK
DUMMY_V
CINHNEL
WEN_L
YHCLRO
YYCLRO
YINHNEL
YWE2_L
YWE1_L
Y2FH
WCLK
BFSCIN
CRST_L
EQP
RFRM
RCK
YIP
IC8110 MC74HC00AF-R
IC8109 MC74HC86F-R
IC8102 SN74LS123NSR
IC8112 SN74LS221NSR
IC8113 SN74LS123NSR
IC8118 SN74LS221NSR
IC8104 SC371021AFU
IC8101 CXD1229Q
IC8116 UPD65612BY09
IC8114 TC7S14FTE85R
IC8115 TC7S14FTE85R
IC8211 MC74HC08AF-R
IC8404 MC74HC08AF-R
IC8119 MC74HC4053FR
Q8101 MSD601-RT2
Q8102 MSB709-RT2
Q8103 MSD601-RT2
QR8101 MRN1404TE85R
QR8104 MRN2404TE85R
VR8102 2K8
VR8101 1K8
VR8103 2K8
VIDEO PHASE
Y CLK PHASE
Y CLK
YCTWG
TP8101 EYF6CU
TP8102 YJR0098
TP8103 YJR0098
TP8104 YJR0098
TP8105 YJR0098
YH
SYN
LOCK
YCO
AFH
HSW
SUB1
SUB2
SUB3
SUB4
SUB5
TSOUTBUS(4:55)
TSINBUS(2:64)
D8101 MA335-4TW
L8101 100U/LC
L8104 100U/LC
L8102 470U
L8103 4R7U/LA
YC8101 20P

Ref NO.8100 Series.

-6)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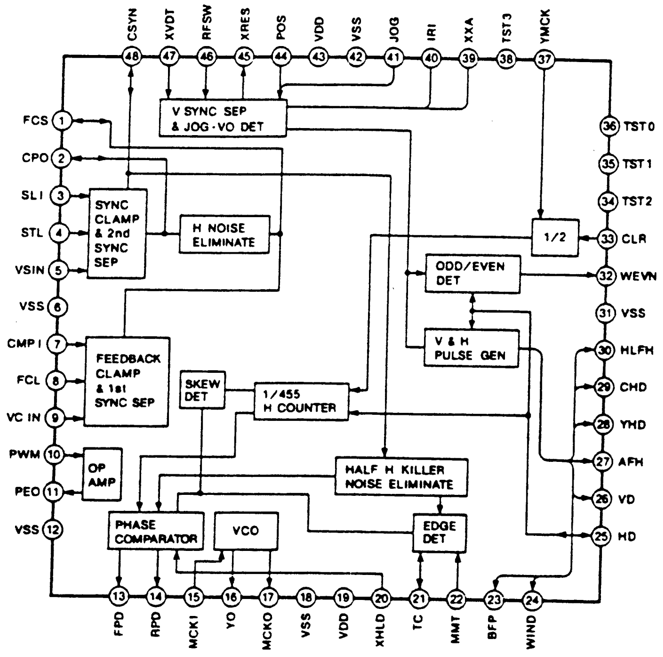
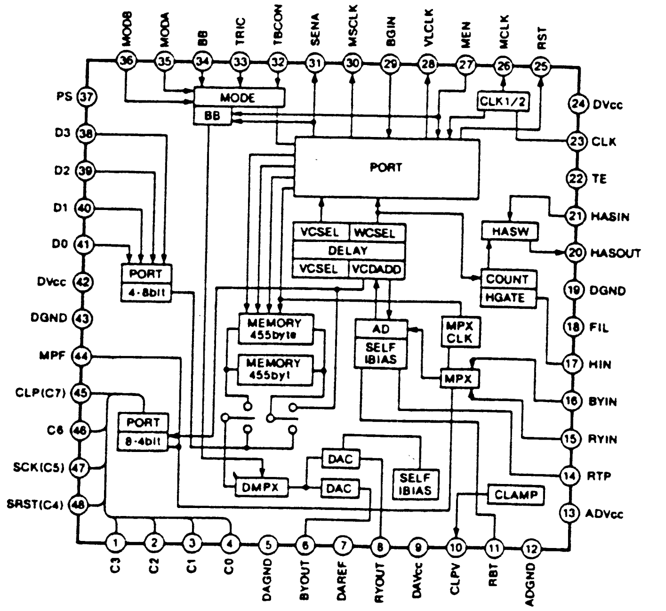
IC8104
SC371021AFU
IC8101
IC8102
SN74LS123NSR
IC8109
MC74HC86F-R
IC8110
MC74HC00AF-R
IC8112
SN74LS221NSR
IC8114
TC7S14FTE85R
IC8115
TC7S14FTE85R
IC8116
UPD65612BY09
IC8118
SN74LS221NSR
QR8104
MRN2404TE85R
TP8101
EYF6CU
TP8105
VJR0098
Y CLK
YCTWG
Y CLK PHASE
VR8101
1KB
VR8103
2KB
AFH
HSW
SUB4
VCO
L8103
4R7U/LA
TSOUTBUS(4:55)
TSINBUS(2:64)
+5VB
YMSCLK
YRST_L
CPBSYNC_L
SEPY
YHSTNCIN
YME2OUT_L
YME1OUT_L
BFSCOUT
HDN
YDN
CME2OUT_L
CME1OUT_L
OUT
HSWWOUT
PBFRW
PBYOUT
PBYDIN
SELECT
AFH
YMCKO
BLKON_H
YDOPWLIN

IC8101
CXD1229Q

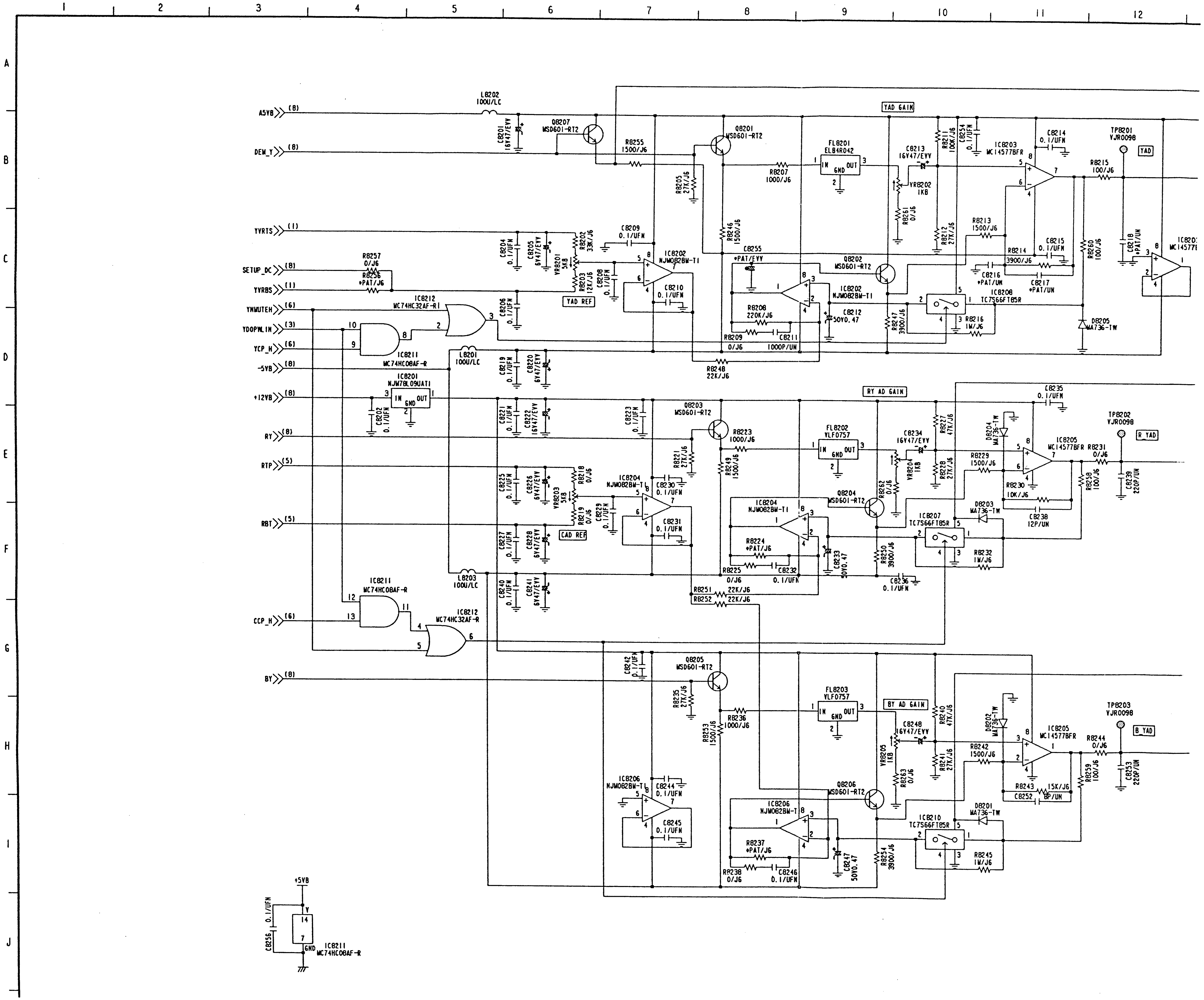

CSYN
XVDT
RFSW
XRES
POS
VDD
VSS
JOG
IRI
XXA
TST3
YMCK
FCS
CPO
SLI
STL
VSIN
VSS
CMPI
FCL
VC IN
PWM
PEO
VSS
V SYNC SEP & JOG·VO DET
SYNC CLAMP & 2nd SYNC SEP
H NOISE ELIMINATE
1/2
ODD/EVEN DET
V & H PULSE GEN
FEEDBACK CLAMP & 1st SYNC SEP
SKEW DET
1/455 H COUNTER
HALF H KILLER NOISE ELIMINATE
OP AMP
PHASE COMPARATOR
VCO
EDGE DET
TST0
TST1
TST2
CLR
WEVN
VSS
HLFH
CHD
YHD
AFH
VD
HD
FPD
RPD
MCKI
YO
MCKO
VSS
VDD
XHLD
TC
MMT
BFP
WIND

IC8104
SC371021AFU


MODB
MODA
BB
TRIC
TBCON
SENA
MSCLK
BGIN
VLCLK
MEN
MCLK
RST
PS
D3
D2
D1
D0
DVcc
DGND
MPF
CLP(C7)
C6
SCK(C5)
SRST(C4)
MODE
BB
CLK1/2
PORT
PORT 4-8bit
VCSEL
WCSEL
DELAY
VCSEL
VCDADD
HASW
COUNT
HGATE
MEMORY 455byte
MEMORY 455byt
AD
SELF BIAS
MPX CLK
MPX
PORT 8-4bit
DAC
DMPX
DAC
SELF BIAS
CLAMP
DVcc
CLK
TE
HASIN
HASOUT
DGND
FIL
HIN
BYIN
RYIN
RTP
ADVcc
C3
C2
C1
C0
DAGND
BYOUT
DAREF
RYOUT
DAVcc
CLPV
RBT
ADGND

Ref NO.8100 Series.

CLAMP & AMP SCHEMATIC DIAGRAM 4/9 (E11: Page CBA-6)



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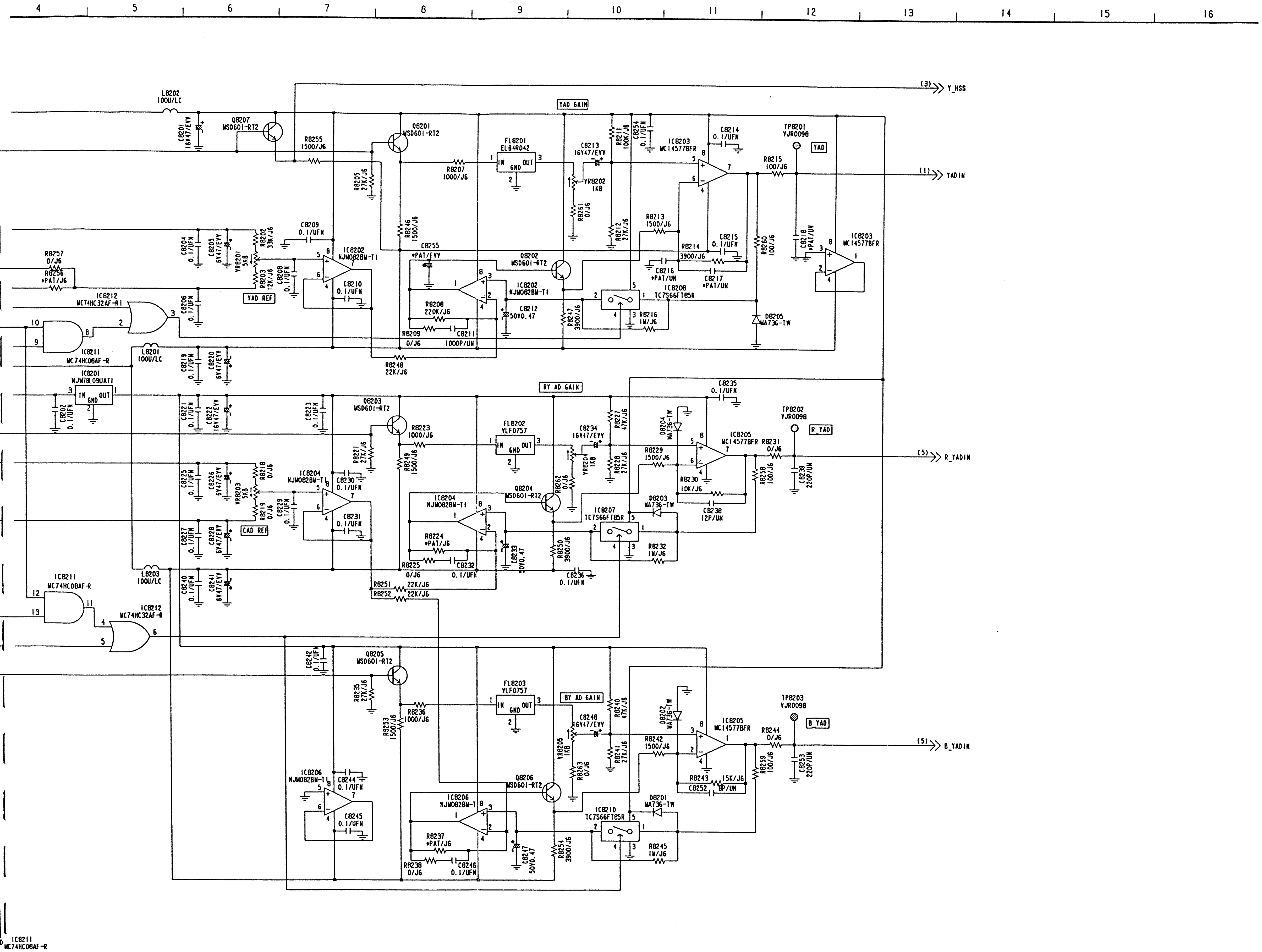
12
A
B
C
D
E
F
G
H
I
J
A5VB (8)
DEM_Y (8)
YVRTS (1)
SETUP_DC (8)
YVRBS (1)
YMMUTEH (6)
YDOPNL IN (3)
YCP_H (6)
-5VB (8)
+12VB (8)
RY (8)
RTP (5)
RBT (5)
CCP_H (6)
BY (8)
L8202 100U/LC
L8201 100U/LC
L8203 100U/LC
Q8207 MSD601-RT2
Q8201 MSD601-RT2
Q8202 MSD601-RT2
Q8203 MSD601-RT2
Q8204 MSD601-RT2
Q8205 MSD601-RT2
Q8206 MSD601-RT2
FL8201 ELB4R042
FL8202 YLF0757
FL8203 YLF0757
IC8201 NJM78L09UATI
IC8202 NJM082BM-T1
IC8203 MC14577BFR
IC8204 NJM082BM-T1
IC8205 MC14577BFR
IC8206 NJM082BM-T1
IC8207 TC7S66FT85R
IC8208 TC7S66FT85R
IC8210 TC7S66FT85R
IC8211 MC74HC08AF-R
IC8212 MC74HC32AF-R1
YAD GAIN
RY AD GAIN
BY AD GAIN
YAD REF
CAD REF
TP8201 VJR0098
TP8202 VJR0098
TP8203 VJR0098
YAD
R YAD
B YAD
D8201 MA736-TW
D8202 MA736-TW
D8203 MA736-TW
D8204 MA736-TW
D8205 MA736-TW
+5VB
C8256 0.1/UFN
IC8211 MC74HC08AF-R

.AGRAM 4/9 (E11: Page CBA-6)


4
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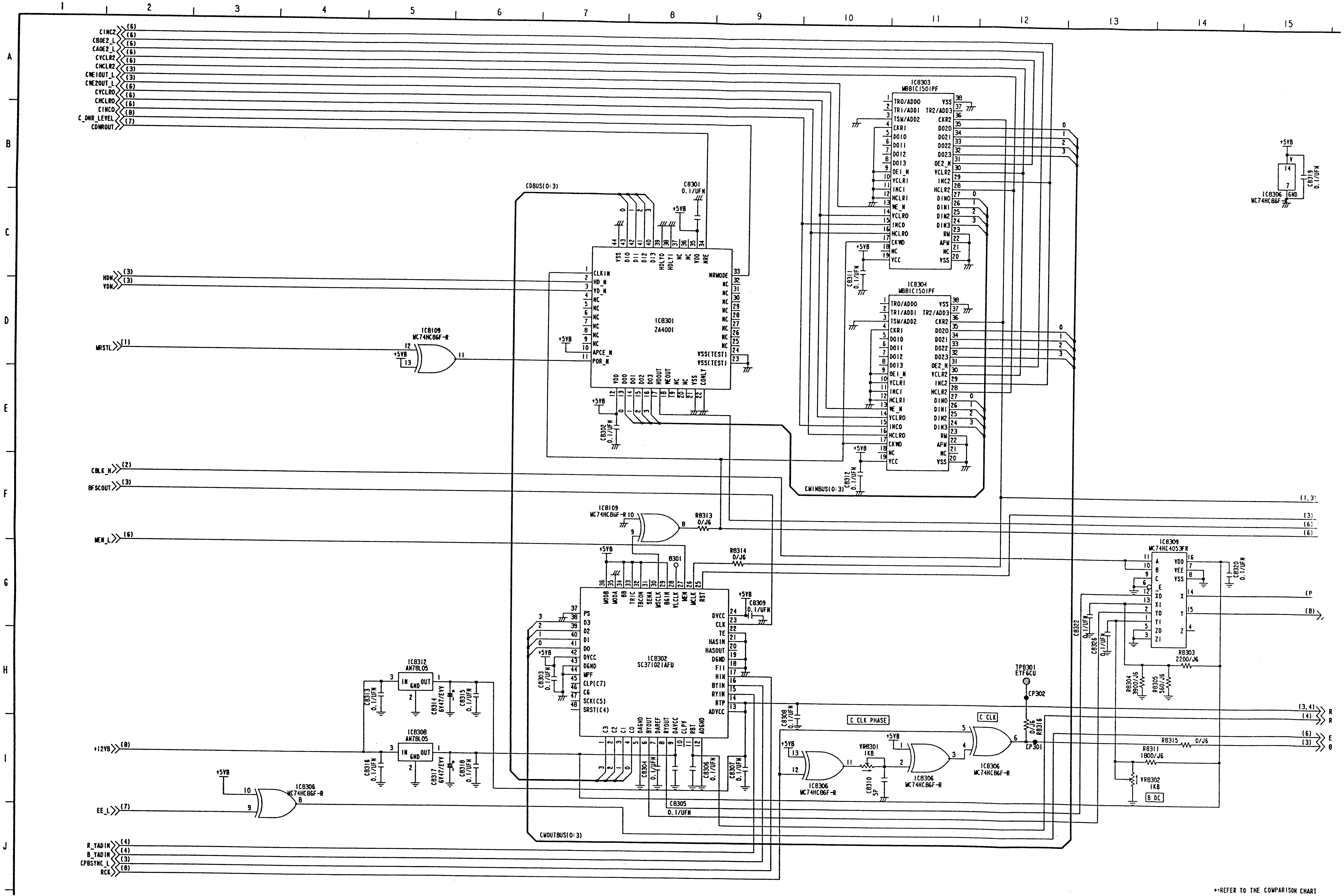
12
13
14
15
16
(3) Y_HSS
(1) YADIN
(5) R_YADIN
(5) B_YADIN
YAD GAIN
RY AD GAIN
BY AD GAIN
YAD REF
CAD REF
YAD
R_YAD
B_YAD
L8202 100U/LC
L8201 100U/LC
L8203 100U/LC
Q8207 MSD601-RT2
Q8201 MSD601-RT2
Q8202 MSD601-RT2
Q8203 MSD601-RT2
Q8204 MSD601-RT2
Q8205 MSD601-RT2
Q8206 MSD601-RT2
FL8201 ELB4R042
FL8202 YLF0757
FL8203 YLF0757
IC8202 NJM082BM-T1
IC8204 NJM082BM-T1
IC8206 NJM082BM-T1
IC8203 MC14577BFR
IC8205 MC14577BFR
IC8208 TC7S66FTB5R
IC8207 TC7S66FTB5R
IC8210 TC7S66FTB5R
IC8212 MC74HC32AF-R1
IC8211 MC74HC08AF-R
IC8201 NJM78L09UAT1
TP8201 YJR0098
TP8202 YJR0098
TP8203 YJR0098
D8205 MA736-TW
D8203 MA736-TW
D8204 MA736-TW
D8201 MA736-TW
D8202 MA736-TW
VR8201 5K8
VR8202 1K8
VR8204 1K8
VR8203 5K8
VR8205 1K8
R8255 1500/J6
R8207 1000/J6
R8215 100/J6
R8213 1500/J6
R8214 3900/J6
R8208 220K/J6
R8209 0/J6
R8248 22K/J6
R8216 1M/J6
R8223 1000/J6
R8229 1500/J6
R8230 10K/J6
R8231 0/J6
R8224 *PAT/J6
R8225 0/J6
R8251 22K/J6
R8252 22K/J6
R8232 1M/J6
R8236 1000/J6
R8242 1500/J6
R8243 15K/J6
R8244 0/J6
R8237 *PAT/J6
R8238 0/J6
R8245 1M/J6
R8257 0/J6
R8256 *PAT/J6
C8214 0.1/UFN
C8215 0.1/UFN
C8216 *PAT/UN
C8217 *PAT/UN
C8213 16V47/EVY
C8209 0.1/UFN
C8210 0.1/UFN
C8255 *PAT/EVY
C8212 50V0.47
C8211 1000P/UN
C8235 0.1/UFN
C8234 16V47/EVY
C8230 0.1/UFN
C8231 0.1/UFN
C8238 12P/UN
C8232 0.1/UFN
C8236 0.1/UFN
C8248 16V47/EVY
C8244 0.1/UFN
C8245 0.1/UFN
C8252 8P/UN
C8246 0.1/UFN
C8247 50V0.47
C8202 0.1/UFN

*=REFER TO THE COMPARISON CHART
Ref No.8200 Series.

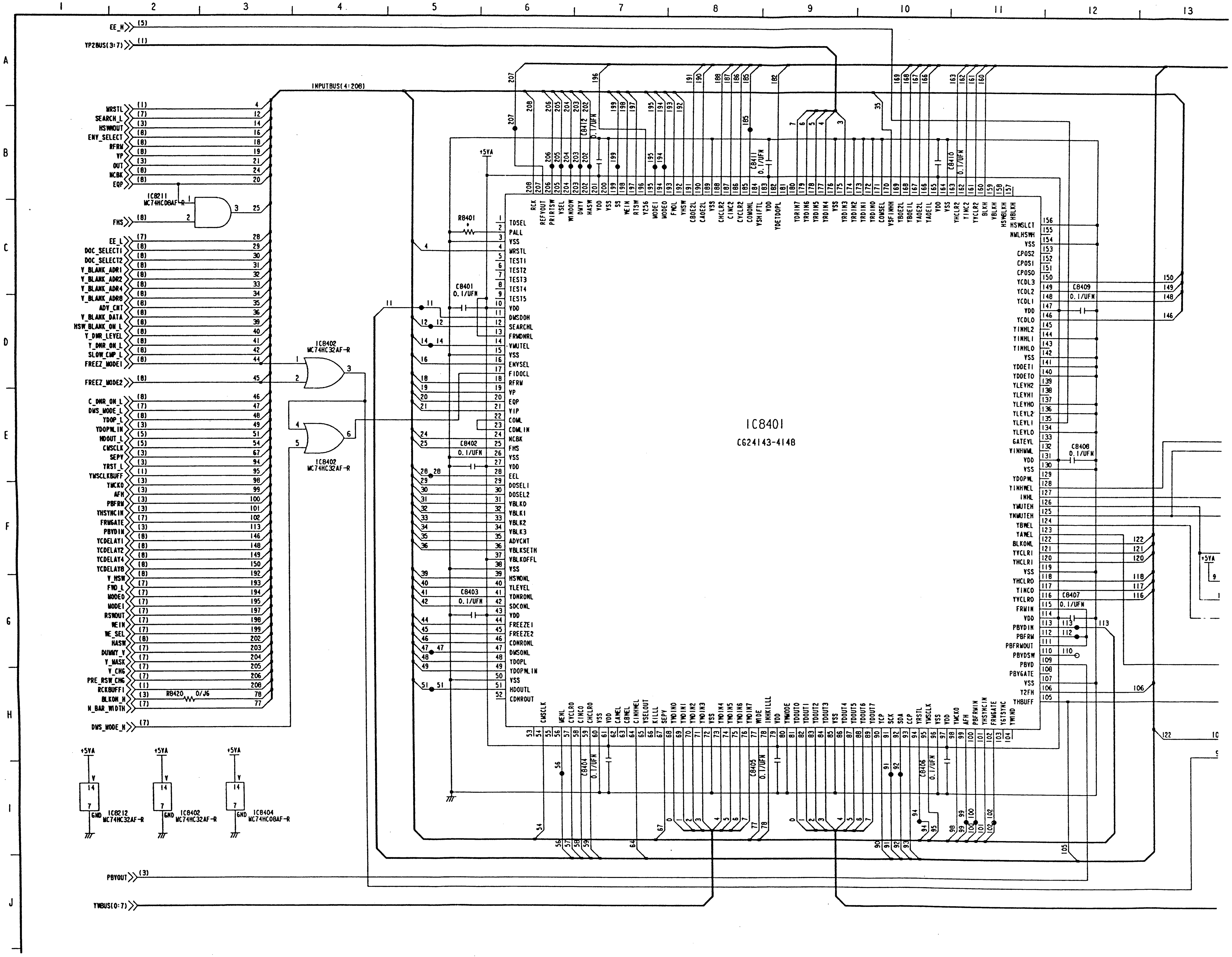
C MEMORY SCHEMATIC DIAGRAM 5/9 (E11: Page CBA-6)



CINC2 (6)
CBOE2_L (6)
CAOE2_L (6)
CYCLR2 (6)
CHCLR2 (3)
CWE1OUT_L (3)
CWE2OUT_L (6)
CYCLR0 (6)
CHCLR0 (6)
CINC0 (8)
C_DNR_LEVEL (8)
CDNROUT (7)
HDN (3)
VDN (3)
MRSTL (1)
CBLK_H (2)
8FSCOUT (3)
MEN_L (6)
+12VB (8)
EE_L (7)
R_YADIN (4)
B_YADIN (4)
CPBSYNC_L (3)
RCK (8)
IC8303 MB81C1501PF
IC8304 MB81C1501PF
IC8301 ZA4001
IC8302 SC371021AFU
IC8109 MC74HC86F-R
IC8306 MC74HC86F-R
IC8309 MC74HC4053FR
IC8312 AN78L05
IC8308 AN78L05
CDBUS(0:3)
CMINBUS(0:3)
CMOUTBUS(0:3)
C8301 0.1/UFN
C8302 0.1/UFN
C8303 0.1/UFN
C8304 0.1/UFN
C8305 0.1/UFN
C8306 0.1/UFN
C8307 0.1/UFN
C8308 0.1/UFN
C8309 0.1/UFN
C8310 5P
C8311 0.1/UFN
C8312 0.1/UFN
C8313 0.1/UFN
C8314 6V47/EVY
C8315 0.1/UFN
C8316 0.1/UFN
C8317 6V47/EVY
C8318 0.1/UFN
C8319 0.1/UFN
C8320 0.1/UFN
C8322 0.1/UFN
C8326 0.1/UFN
R8303 2200/J6
R8304 3900/J6
R8305 560/J6
R8311 1800/J6
R8313 0/J6
R8314 0/J6
R8315 0/J6
R8316 0/J6
VR8301 1KB
VR8302 1KB
TP8301 ETF6CU
CP301
CP302
B301
C CLK PHASE
C CLK
B DC
+5VB
(1,3)
(3)
(6)
(6)
(P
(8)
(3,4)
(4)
(6)
(3)

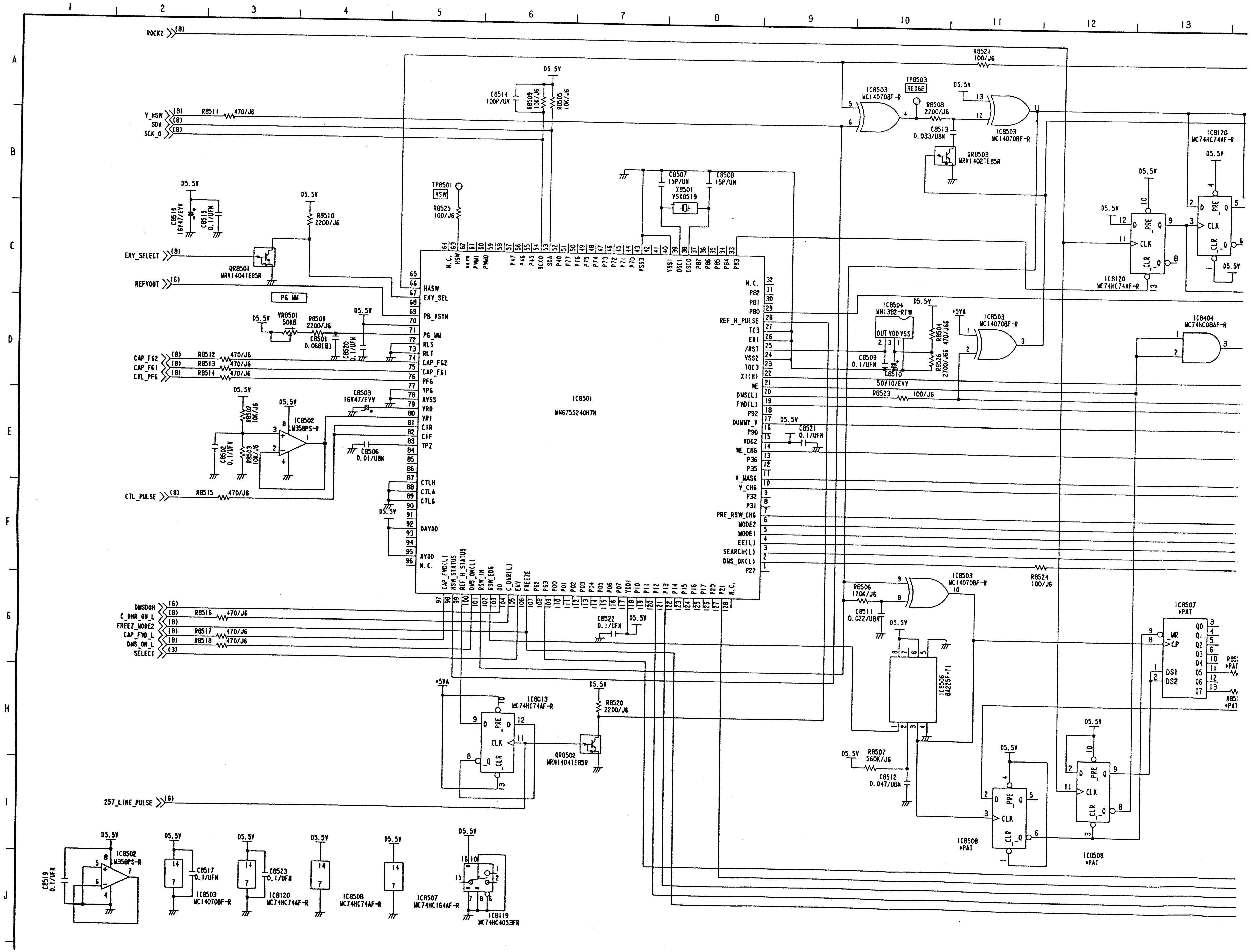
*=REFER TO THE COMPARISON CHART
Ref No.8300 Series.

TBC & DMS G.A.BLOCK SCHEMATIC DIAGRAM 6/9 (E11: Page CBA-6)

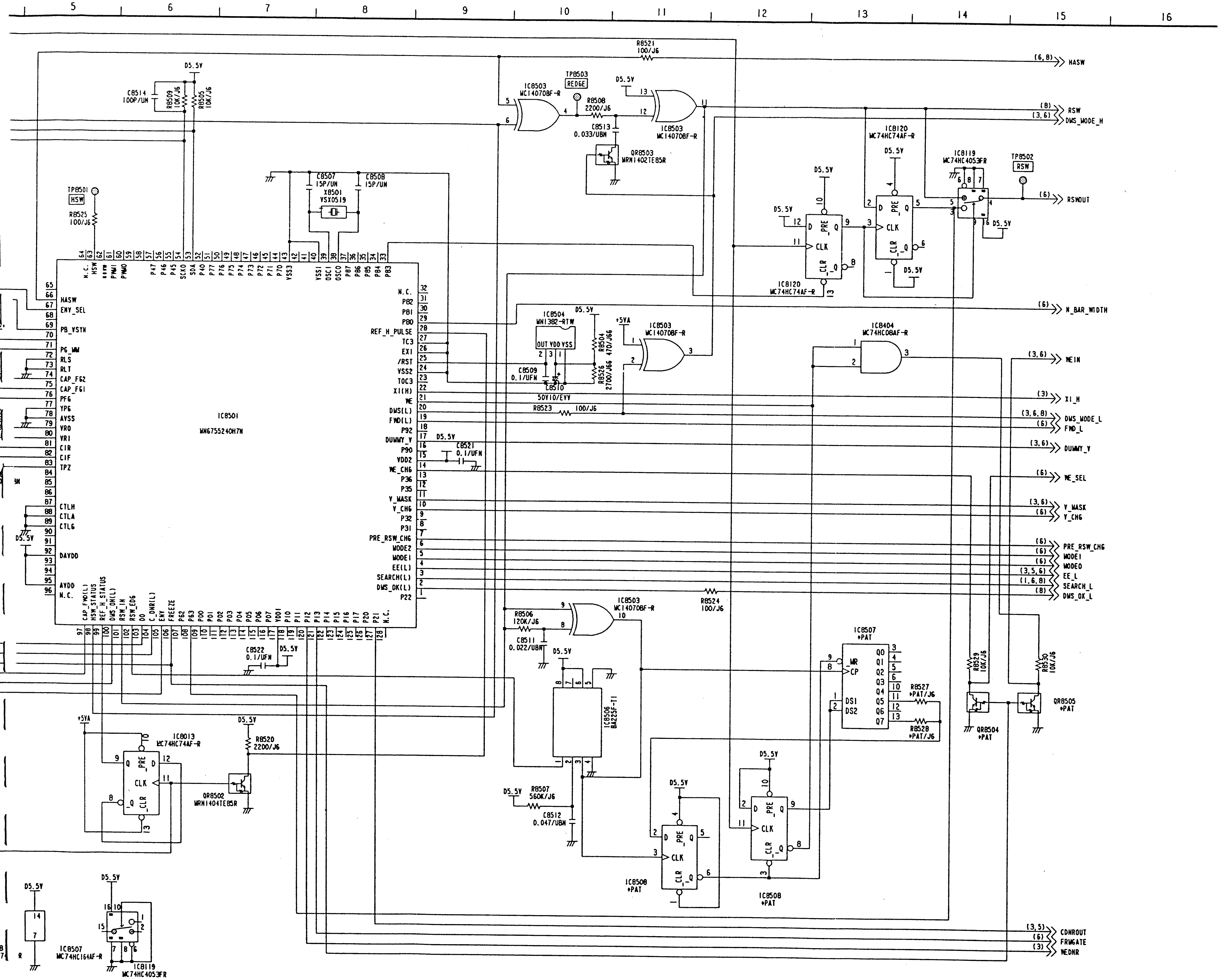


EE_N
YP2BUS(3:7)
INPUTBUS(4:208)
MRSTL
SEARCH_L
HSWWOUT
ENV_SELECT
RFRW
VP
OUT
NCBK
EQP
IC8211
MC74HC08AF-R
FHS
EE_L
DOC_SELECT1
DOC_SELECT2
Y_BLANK_ADR1
Y_BLANK_ADR2
Y_BLANK_ADR4
Y_BLANK_ADR8
ADV_CNT
Y_BLANK_DATA
HSW_BLANK_ON_L
Y_DNR_LEVEL
Y_DNR_ON_L
SLOW_CMP_L
FREEZ_MODE1
FREEZ_MODE2
IC8402
MC74HC32AF-R
C_DNR_ON_L
DMS_MODE_L
YDOP_L
YDOPWLIN
HDOUT_L
CWSCLK
SEPY
YRST_L
YWSCLKBUFF
YWCKO
AFH
PBFRW
YHSYNCIN
FRWGATE
PBYDIN
YCDELAY1
YCDELAY2
YCDELAY4
YCDELAY8
Y_HSW
FND_L
MODE0
MODE1
RSWOUT
WEIN
WE_SEL
HASW
DUMMY_Y
Y_MASK
Y_CHG
PRE_RSW_CHG
RCKBUFF1
BLKON_H
H_BAR_WIDTH
R8420 0/J6
DMS_MODE_H
+5VA
IC8212
MC74HC32AF-R
IC8402
MC74HC32AF-R
IC8404
MC74HC08AF-R
GND
PBYOUT
YWBUS(0:7)
R8401
C8401 0.1/UFN
C8402 0.1/UFN
C8403 0.1/UFN
C8404 0.1/UFN
C8405 0.1/UFN
C8406 0.1/UFN
C8407 0.1/UFN
C8408 0.1/UFN
C8409 0.1/UFN
C8410 0.1/UFN
C8411 0.1/UFN
C8412 0.1/UFN
IC8401
CG24143-414B
TDSEL
PALL
VSS
MRSTL
TEST1
TEST2
TEST3
TEST4
TEST5
VDD
DMSDOH
SEARCHL
FRWDWRL
VMUTEL
ENVSEL
FIDOCL
RFRW
VP
EQP
VIP
COML
COMLIN
NCBK
FHS
EEL
DOSEL1
DOSEL2
VBLK0
VBLK1
VBLK2
VBLK3
ADVCNT
VBLKSETH
VBLKOFFL
HSWONL
YLEVEL
YDNRONL
SDCONL
FREEZE1
FREEZE2
CDNRONL
DMSONL
YDOPL
YDOPWLIN
HDOUTL
CDNROUT
HSWSLCT
NWLHSWH
CPOS2
CPOS1
CPOS0
YCDL3
YCDL2
YCDL1
YCDL0
YINHL2
YINHL1
YINHL0
YDDET1
YDDET0
YLEVH2
YLEVH1
YLEVH0
YLEVL2
YLEVL1
YLEVL0
GATEYL
YINHWWL
YDOPWL
YINHWEL
INHL
YMUTEH
YWMUTEH
YBWEL
YAWEL
BLKONL
YCYLR1
YHCLR1
YHCLR0
YINC0
YYCLR0
FRWIN
PBYDIN
PBFRW
PBFRWOUT
PBYDSW
PBYD
PBYGATE
Y2FH
YHBUFF
RCK
REFYOUT
PRIRTSW
VSEL
WINDOW
DWTY
HASW
WEIN
RTSW
Y2S6
MODE1
MODE0
FWDL
YHSW
CBOE2L
CAOE2L
CHCLR2
CINC2
CYCLR2
COMONL
YSHIFTL
YDETDOPL
YDRIN7
YDRIN6
YDRIN5
YDRIN4
YDRIN3
YDRIN2
YDRIN1
YDRIN0
COMSEL
YSFINHH
YBOE2L
YBOE1L
YAOE2L
YAOE1L
YHCLR2
YINC2
YYCLR2
BLKH
VBLKH
HSWBLKH
CWSCLK
WEHL
CYCLR0
CINC0
CHCLR0
CAWEL
CBWEL
CINHWEL
YSELOUT
KILLL
SEPY
YWDIN0
YWDIN1
YWDIN2
YWDIN3
YWDIN4
YWDIN5
YWDIN6
YWDIN7
WIDE
INHKILLL
YWMODE
YDOUT0
YDOUT1
YDOUT2
YDOUT3
YDOUT4
YDOUT5
YDOUT6
YDOUT7
YCP
SCK
SDA
CCP
YRSTL
YWSCLK
YWCKO
AFH
PBFRWIN
YHSYNCIN
FRWGATE
YGTSYNC
YWIND

D.M.S SCHEMATIC DIAGRAM 7/9 (E11: Page CBA-6)


ROCK2
V_HSW
SDA
SCK_0
ENV_SELECT
REFOUT
CAP_FG2
CAP_FG1
CTL_PFG
CTL_PULSE
DMSDOH
C_DMR_ON_L
FREEZ_MODE2
CAP_FWD_L
DMS_ON_L
SELECT
257_LINE_PULSE
IC8501
MN6755240H7N
IC8502
M358PS-R
IC8503
MC14070BF-R
IC8504
MN1382-RTW
IC8506
BA225F-T1
IC8507
MC74HC164AF-R
IC8508
MC74HC74AF-R
IC8120
MC74HC74AF-R
IC8013
MC74HC74AF-R
IC8404
MC74HC08AF-R
IC8119
MC74HC4053FR
QR8501
MRN1404TE85R
QR8502
MRN1404TE85R
QR8503
MRN1402TE85R
X8501
VSX0519
TP8501
HSW
TP8503
REDGE
VR8501
50KB
P6 MM
D5.5V
+5VA

1: Page CBA-6)


5
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9
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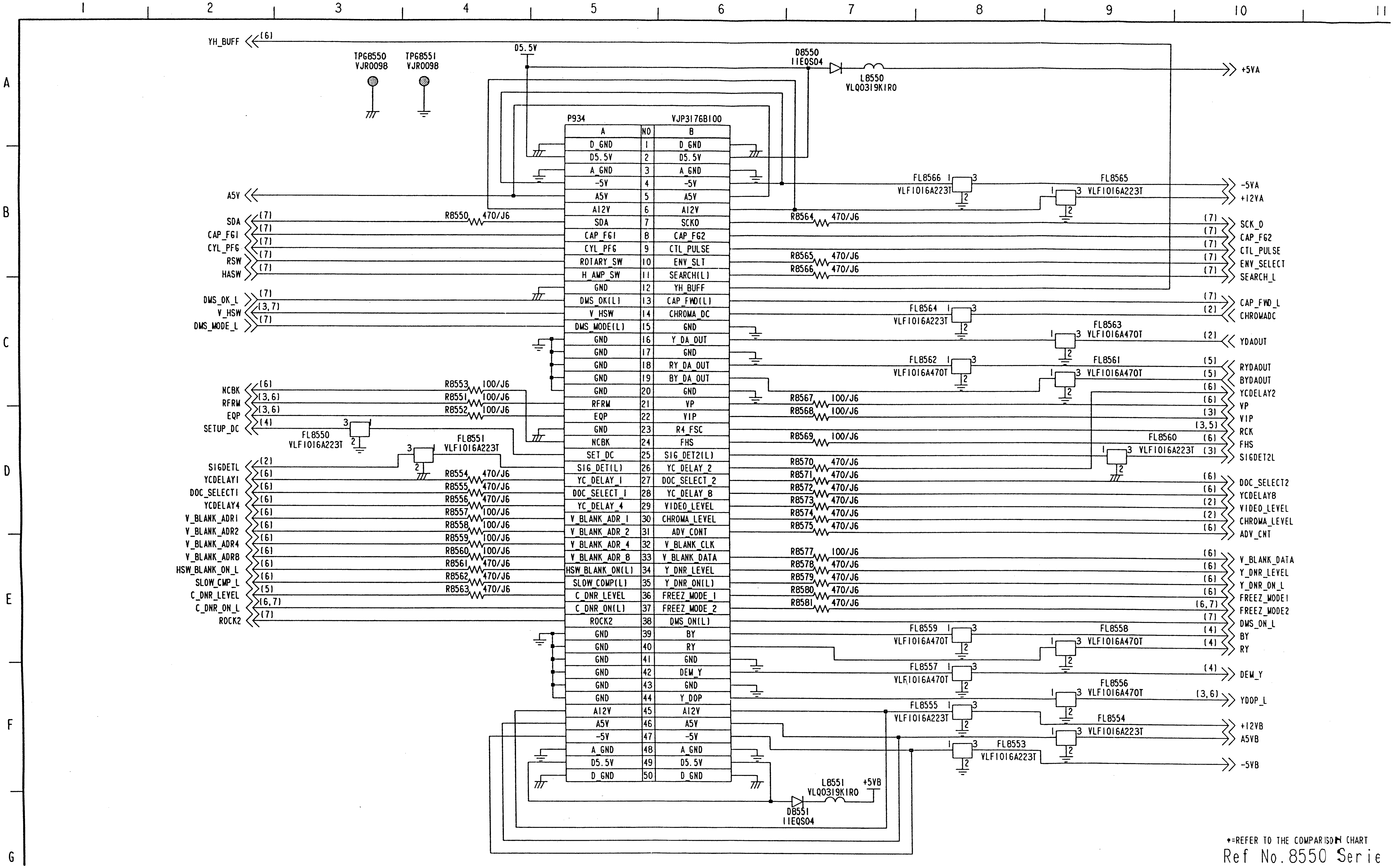
11
12
13
14
15
16
R8521 100/J6
(6,8) HASW
D5.5V
C8514 100P/UN
R8509 10K/J6
R8505 10K/J6
IC8503 MC14070BF-R
TP8503 REDGE
R8508 2200/J6
C8513 0.033/UBN
QR8503 MRN1402TE85R
IC8503 MC14070BF-R
(8) RSW
(3,6) DWS_MODE_H
IC8120 MC74HC74AF-R
IC8119 MC74HC4053FR
TP8502 RSW
(6) RSWOUT
C8507 15P/UN
C8508 15P/UN
X8501 VSX0519
TP8501 HSW
R8525 100/J6
IC8120 MC74HC74AF-R
(6) N_BAR_WIDTH
IC8504 MN1382-RTW
C8509 0.1/UFN
C8510 50V10/EVV
R8504 470/J66
R8526 2700/J66
+5VA
IC8503 MC14070BF-R
IC8404 MC74HC08AF-R
(3,6) WEIN
(3) XI_H
R8523 100/J6
(3,6,8) DWS_MODE_L
(6) FWD_L
IC8501
MN6755240H7N
C8521 0.1/UFN
(3,6) DUMMY_Y
(6) WE_SEL
(3,6) Y_MASK
(6) Y_CHG
(6) PRE_RSW_CHG
(6) MODE1
(6) MODE0
(3,5,6) EE_L
(1,6,8) SEARCH_L
(8) DWS_OK_L
R8524 100/J6
IC8503 MC14070BF-R
R8506 120K/J6
C8511 0.022/UBN
C8522 0.1/UFN
IC8506 BA225F-T1
IC8507 *PAT
R8527 *PAT/J6
R8528 *PAT/J6
R8529 10K/J6
R8530 10K/J6
QR8504 *PAT
QR8505 *PAT
IC8013 MC74HC74AF-R
R8520 2200/J6
QR8502 MRN1404TE85R
R8507 560K/J6
C8512 0.047/UBN
IC8508 *PAT
IC8508 *PAT
IC8507 MC74HC164AF-R
IC8119 MC74HC4053FR
(3,5) CDNROUT
(6) FRMGATE
(3) WEDNR

**=REFER TO THE COMPARISON CHART

Ref No.8500 Series.

TBC (1) CONNECTION SCHEMATIC DIAGRAM 8/9 (E11: Page CBA-6)


1
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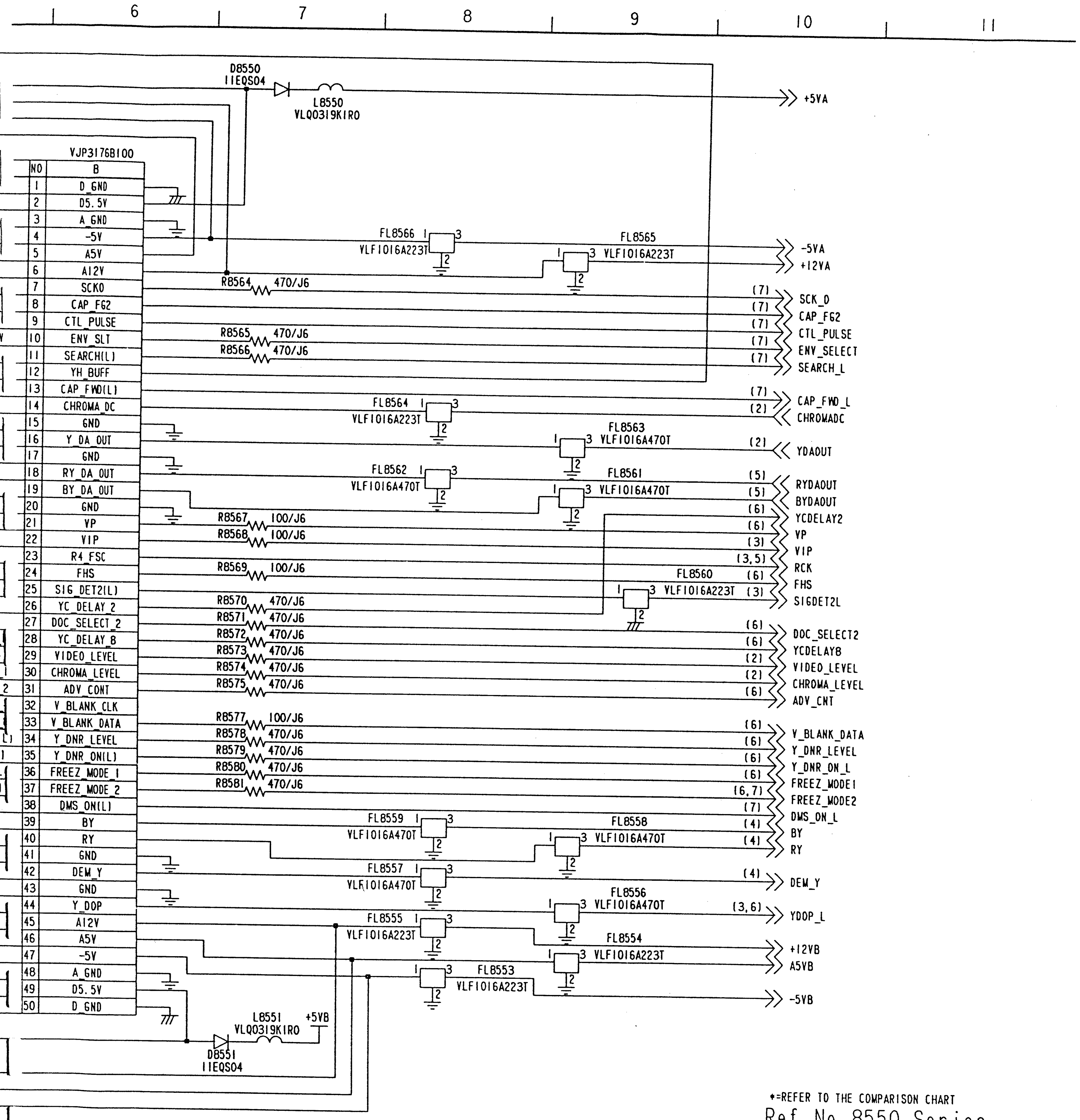
9
10
11
A
B
C
D
E
F
G
YH_BUFF (6)
TPG8550 VJR0098
TPG8551 VJR0098
D5.5V
D8550 11EQS04
L8550 VLQ0319K1R0
+5VA
P934
VJP3176B100
A5V
SDA (7)
CAP_FG1 (7)
CYL_PFG (7)
RSW (7)
HASW (7)
DMS_OK_L (7)
V_HSW (3,7)
DMS_MODE_L (7)
NCBK (6)
RFRM (3,6)
EQP (3,6)
SETUP_DC (4)
SIGDETL (2)
YCDELAY1 (6)
DOC_SELECT1 (6)
YCDELAY4 (6)
V_BLANK_ADR1 (6)
V_BLANK_ADR2 (6)
V_BLANK_ADR4 (6)
V_BLANK_ADR8 (6)
HSW_BLANK_ON_L (6)
SLOW_CMP_L (6)
C_DNR_LEVEL (5)
C_DNR_ON_L (6,7)
ROCK2 (7)
R8550 470/J6
R8553 100/J6
R8551 100/J6
R8552 100/J6
FL8550 VLF1016A223T
FL8551 VLF1016A223T
R8554 470/J6
R8555 470/J6
R8556 470/J6
R8557 100/J6
R8558 100/J6
R8559 100/J6
R8560 100/J6
R8561 470/J6
R8562 470/J6
R8563 470/J6
FL8566 VLF1016A223T
FL8565 VLF1016A223T
-5VA
+12VA
R8564 470/J6
R8565 470/J6
R8566 470/J6
(7) SCK_O
(7) CAP_FG2
(7) CTL_PULSE
(7) ENV_SELECT
(7) SEARCH_L
(7) CAP_FWD_L
(2) CHROMADC
FL8564 VLF1016A223T
FL8563 VLF1016A470T
(2) YDAOUT
FL8562 VLF1016A470T
FL8561 VLF1016A470T
(5) RYDAOUT
(5) BYDAOUT
(6) YCDELAY2
(6) VP
(3) VIP
(3,5) RCK
(6) FHS
(3) SIGDET2L
R8567 100/J6
R8568 100/J6
R8569 100/J6
FL8560 VLF1016A223T
R8570 470/J6
R8571 470/J6
R8572 470/J6
R8573 470/J6
R8574 470/J6
R8575 470/J6
(6) DOC_SELECT2
(6) YCDELAY8
(2) VIDEO_LEVEL
(2) CHROMA_LEVEL
(6) ADV_CNT
R8577 100/J6
R8578 470/J6
R8579 470/J6
R8580 470/J6
R8581 470/J6
(6) V_BLANK_DATA
(6) Y_DNR_LEVEL
(6) Y_DNR_ON_L
(6) FREEZ_MODE1
(6,7) FREEZ_MODE2
(7) DMS_ON_L
(4) BY
(4) RY
FL8559 VLF1016A470T
FL8558 VLF1016A470T
FL8557 VLF1016A470T
(4) DEM_Y
FL8556 VLF1016A470T
(3,6) YDOP_L
FL8555 VLF1016A223T
FL8554 VLF1016A223T
+12VB
A5VB
FL8553 VLF1016A223T
-5VB
L8551 VLQ0319K1R0
+5VB
D8551 11EQS04

A	NO	B
D_GND	1	D_GND
D5.5V	2	D5.5V
A_GND	3	A_GND
-5V	4	-5V
A5V	5	A5V
A12V	6	A12V
SDA	7	SCKO
CAP_FG1	8	CAP_FG2
CYL_PFG	9	CTL_PULSE
ROTARY_SW	10	ENV_SLT
H_AMP_SW	11	SEARCH(L)
GND	12	YH_BUFF
DMS_OK(L)	13	CAP_FWD(L)
V_HSW	14	CHROMA_DC
DMS_MODE(L)	15	GND
GND	16	Y_DA_OUT
GND	17	GND
GND	18	RY_DA_OUT
GND	19	BY_DA_OUT
GND	20	GND
RFRM	21	VP
EQP	22	VIP
GND	23	R4_FSC
NCBK	24	FHS
SET_DC	25	SIG_DET2(L)
SIG_DET(L)	26	YC_DELAY_2
YC_DELAY_1	27	DOC_SELECT_2
DOC_SELECT_1	28	YC_DELAY_8
YC_DELAY_4	29	VIDEO_LEVEL
V_BLANK_ADR_1	30	CHROMA_LEVEL
V_BLANK_ADR_2	31	ADV_CONT
V_BLANK_ADR_4	32	V_BLANK_CLK
V_BLANK_ADR_8	33	V_BLANK_DATA
HSW_BLANK_ON(L)	34	Y_DNR_LEVEL
SLOW_COMP(L)	35	Y_DNR_ON(L)
C_DNR_LEVEL	36	FREEZ_MODE_1
C_DNR_ON(L)	37	FREEZ_MODE_2
ROCK2	38	DMS_ON(L)
GND	39	BY
GND	40	RY
GND	41	GND
GND	42	DEM_Y
GND	43	GND
GND	44	Y_DOP
A12V	45	A12V
A5V	46	A5V
-5V	47	-5V
A_GND	48	A_GND
D5.5V	49	D5.5V
D_GND	50	D_GND

*=REFER TO THE COMPARISON CHART

Ref No.8550 Serie

TBC (1) COMPARISON CHART 9/9 (E11: Page CBA-6)

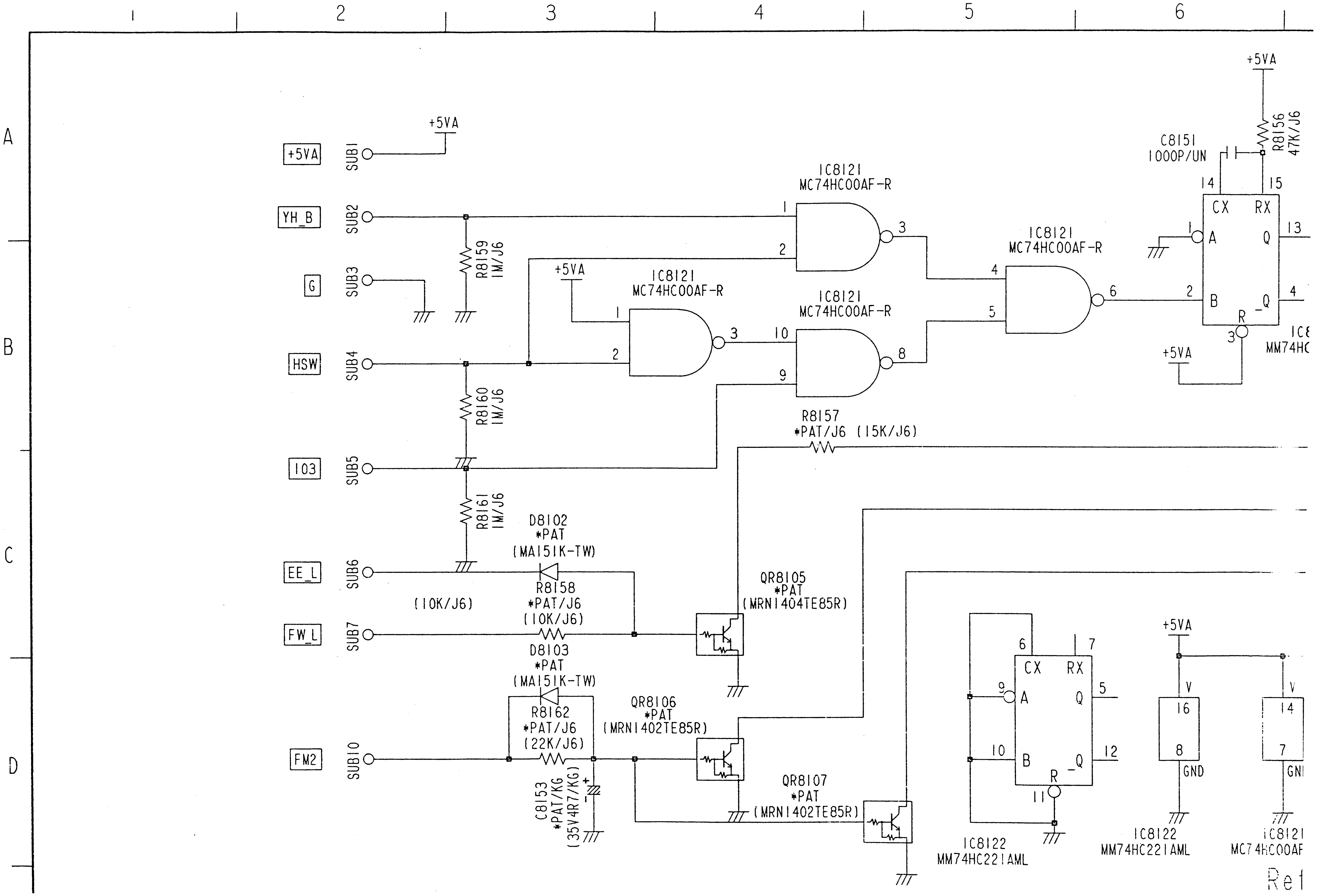

6
7
8
9
10
11
D8550
11EQS04
L8550
VLQ0319K1R0
+5VA
VJP3176B100
NO
B
1 D_GND
2 D5.5V
3 A_GND
4 -5V
5 A5V
6 A12V
7 SCKO
8 CAP_FG2
9 CTL_PULSE
10 ENV_SLT
11 SEARCH(L)
12 YH_BUFF
13 CAP_FWD(L)
14 CHROMA_DC
15 GND
16 Y_DA_OUT
17 GND
18 RY_DA_OUT
19 BY_DA_OUT
20 GND
21 VP
22 VIP
23 R4_FSC
24 FHS
25 SIG_DET2(L)
26 YC_DELAY_2
27 DOC_SELECT_2
28 YC_DELAY_B
29 VIDEO_LEVEL
30 CHROMA_LEVEL
31 ADV_CONT
32 V_BLANK_CLK
33 V_BLANK_DATA
34 Y_DNR_LEVEL
35 Y_DNR_ON(L)
36 FREEZ_MODE_1
37 FREEZ_MODE_2
38 DMS_ON(L)
39 BY
40 RY
41 GND
42 DEM_Y
43 GND
44 Y_DOP
45 A12V
46 A5V
47 -5V
48 A_GND
49 D5.5V
50 D_GND
FL8566 VLF1016A223T
FL8565 VLF1016A223T
-5VA
+12VA
R8564 470/J6
SCK_D
CAP_FG2
CTL_PULSE
R8565 470/J6
R8566 470/J6
ENV_SELECT
SEARCH_L
CAP_FWD_L
FL8564 VLF1016A223T
CHROMADC
FL8563 VLF1016A470T
YDAOUT
FL8562 VLF1016A470T
FL8561 VLF1016A470T
RYDAOUT
BYDAOUT
YCDELAY2
R8567 100/J6
R8568 100/J6
VP
VIP
R8569 100/J6
RCK
FL8560 VLF1016A223T
FHS
SIGDET2L
R8570 470/J6
R8571 470/J6
R8572 470/J6
R8573 470/J6
R8574 470/J6
R8575 470/J6
DOC_SELECT2
YCDELAYB
VIDEO_LEVEL
CHROMA_LEVEL
ADV_CNT
R8577 100/J6
R8578 470/J6
R8579 470/J6
R8580 470/J6
R8581 470/J6
V_BLANK_DATA
Y_DNR_LEVEL
Y_DNR_ON_L
FREEZ_MODE1
FREEZ_MODE2
DMS_ON_L
FL8559 VLF1016A470T
FL8558 VLF1016A470T
BY
RY
FL8557 VLF1016A470T
DEM_Y
FL8556 VLF1016A470T
YDOP_L
FL8555 VLF1016A223T
FL8554 VLF1016A223T
+12VB
A5VB
FL8553 VLF1016A223T
-5VB
L8551 VLQ0319K1R0
+5VB
D8551
11EQS04

*=REFER TO THE COMPARISON CHART

Ref No.8550 Series.

REF	NTSC	PAL
C8216	*PAT/UN	*PAT/UN
C8217	*PAT/UN	*PAT/UN
C8218	*PAT/UN	*PAT/UN
C8255	*PAT/UN	*PAT/UN
IC8507	*PAT	*PAT
IC8508	*PAT	*PAT
QR8504	*PAT	*PAT
QR8505	*PAT	*PAT
R8142	*PAT/J6	0/J6
R8224	*PAT/J6	*PAT/J6
R8237	*PAT/J6	*PAT/J6
R8256	*PAT/J6	*PAT/J6
R8310	*PAT/J6	*PAT/J6
R8401	*PAT/J6	0/J6
R8434	*PAT/J6	*PAT/J6
R8527	*PAT/J6	*PAT/J6
R8528	*PAT/J6	*PAT/J6

DMS SUB SCHEMATIC DIAGRAM (E101: Page CBA-6)



1
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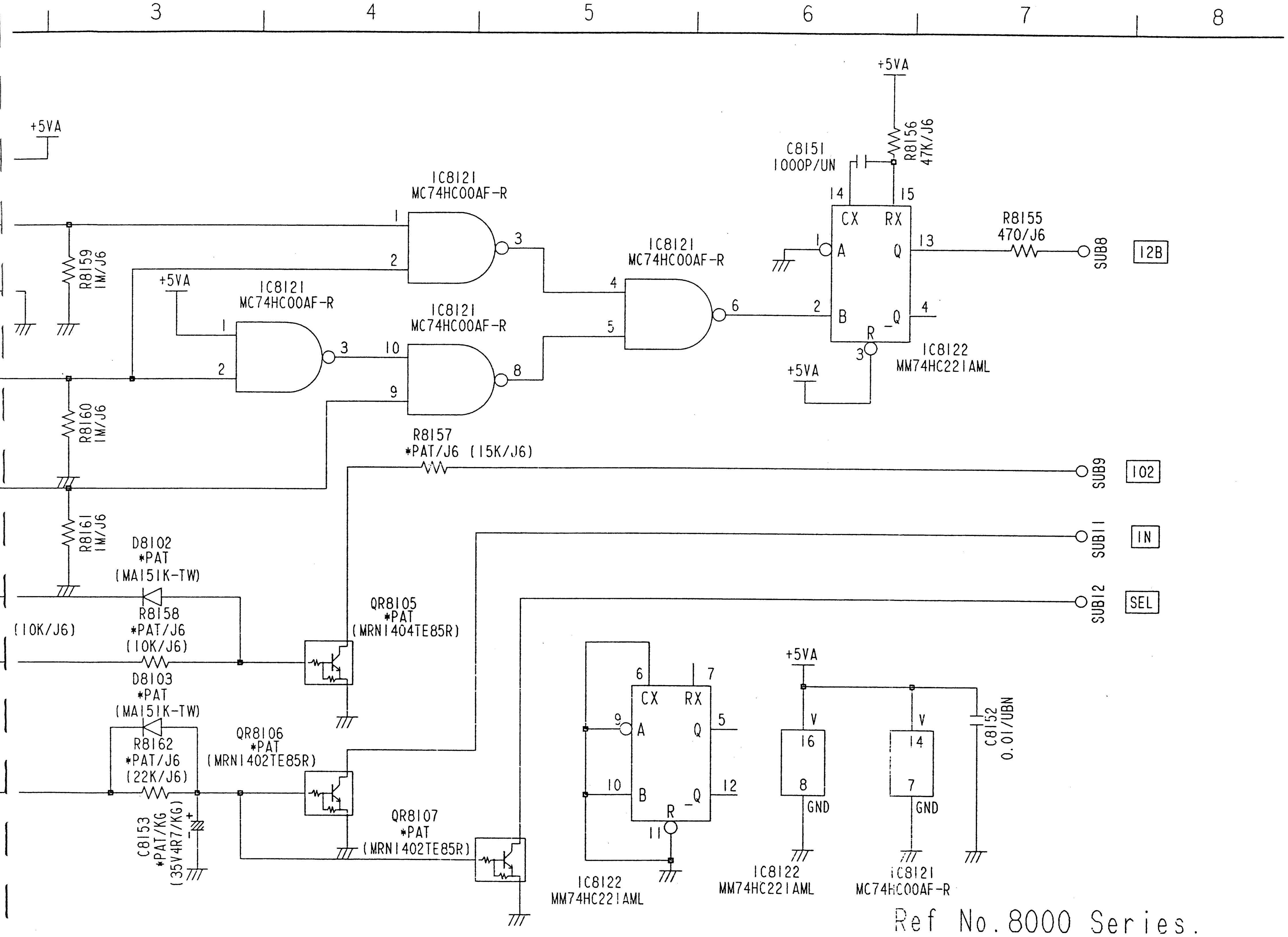
5
6
A
B
C
D
+5VA
SUB1
+5VA
YH_B
SUB2
G
SUB3
HSW
SUB4
I03
SUB5
EE_L
SUB6
FW_L
SUB7
FM2
SUB10
R8159
1M/J6
R8160
1M/J6
R8161
1M/J6
IC8121
MC74HC00AF-R
IC8121
MC74HC00AF-R
IC8121
MC74HC00AF-R
IC8121
MC74HC00AF-R
+5VA
R8157
*PAT/J6 (15K/J6)
D8102
*PAT
(MA151K-TW)
R8158
*PAT/J6
(10K/J6)
(10K/J6)
D8103
*PAT
(MA151K-TW)
R8162
*PAT/J6
(22K/J6)
C8153
*PAT/KG
(35V4R7/KG)
QR8105
*PAT
(MRN1404TE85R)
QR8106
*PAT
(MRN1402TE85R)
QR8107
*PAT
(MRN1402TE85R)
C8151
1000P/UN
R8156
47K/J6
+5VA
CX
RX
A
B
Q
_Q
R
IC8
MM74HC
+5VA
CX
RX
A
B
Q
_Q
R
IC8122
MM74HC221AML
+5VA
V
16
8
GND
IC8122
MM74HC221AML
V
14
7
GND
IC8121
MC74HC00AF
Ref

01: Page CBA-6)


3
4
5
6
7
8
+5VA
IC8121
MC74HC00AF-R
R8159
1M/J6
R8160
1M/J6
R8161
1M/J6
+5VA
C8151
1000P/UN
R8156
47K/J6
CX
RX
A
Q
B
R
IC8122
MM74HC221AML
R8155
470/J6
SUB8
12B
R8157
*PAT/J6 (15K/J6)
SUB9
102
SUB11
IN
SUB12
SEL
D8102
*PAT
(MA151K-TW)
R8158
*PAT/J6
(10K/J6)
(10K/J6)
QR8105
*PAT
(MRN1404TE85R)
D8103
*PAT
(MA151K-TW)
R8162
*PAT/J6
(22K/J6)
QR8106
*PAT
(MRN1402TE85R)
C8153
*PAT/KG
(35V4R7/KG)
QR8107
*PAT
(MRN1402TE85R)
IC8122
MM74HC221AML
C8152
0.01/UBN
V
16
8
GND
14
7
IC8121
MC74HC00AF-R
Ref No.8000 Series.

TIME CODE COMPARISON CHART (E10)

REF	AG-DS850	AG-DS840
C68017	18P/UN	18P/UN
C68031	5P/UN	*PAT/UN
C68032	56P/UN	*PAT/UN
C68033	6P/UN	*PAT/UN
C68036	50V2R2/EVV	*PAT/EVV
C68041	0.01/UFN	*PAT/UFN
C68042	1000P/UN	*PAT/UN
C68043	1000P/HU	*PAT/HU
C68044	0.01/UFN	*PAT/UFN
C68045	150P/UN	*PAT/UN
D68003	*PAT	*PAT
IC68015	TC74HC221AFT	*PAT
IC68017	UPD65005X436	*PAT
L68001	220U/LC	*PAT/LC
Q68001	MSB709-RT2	*PAT
R68015	2700/J6	*PAT/J6
R68016	2700/J6	*PAT/J6
R68017	1000/J6	*PAT/J6
R68032	2700/RE	*PAT/RE
R68033	*PAT/J6	*PAT/J6
R68034	15K/RE	*PAT/RE
R68035	*PAT/J6	*PAT/J6
R68036	10K/J6	*PAT/J6
R68037	10K/J6	*PAT/J6
R68049	39K/J6	*PAT/J6
SW68001	VSS0342	*PAT
TP68003	VJR0098	*PAT
VR68001	20KB	*PAT
W68001	0/J6	0/J6
W68002	*PAT/J6	*PAT/J6
W68003	0/J6	0/J6
W68004	*PAT/J6	*PAT/J6
W68006	*PAT/J6	*PAT/J6
W68007	0/J6	0/J6
W68008	*PAT/J6	*PAT/J6
W68009	0/J6	0/J6
W68010	*PAT/J6	*PAT/J6
W68011	*PAT/J6	*PAT/J6
W68015	*PAT/J6	*PAT/J6
W68018	*PAT/J6	*PAT/J6
X68003	VSX0614-T	VSX0614-T

REAR JACK COMPARISON CHART (E29)

REF	AG-DS850	AG-DS840
C6701	*PAT	*PAT
C6702	*PAT	*PAT
J6701	VJS3154	*PAT
J6702	VJS3154	*PAT
J6705	VJS3155	*PAT
J6706	*PAT	*PAT
J6707	*PAT	*PAT
J6708	*PAT	*PAT
J6720	VJS3154	*PAT
P6702	VJS3215B008	*PAT
R6701	75(G)	*PAT
R6704	75(G)	*PAT
R6715	*PAT	*PAT
R6716	*PAT	*PAT
R6717	*PAT	*PAT
R6718	100K/DS	*PAT
SW6701	VSS0303	*PAT
SW6705	VSS0390	*PAT
SW6706	VSS0390	*PAT

HEAD AMP COMPARISON CHART (E15)

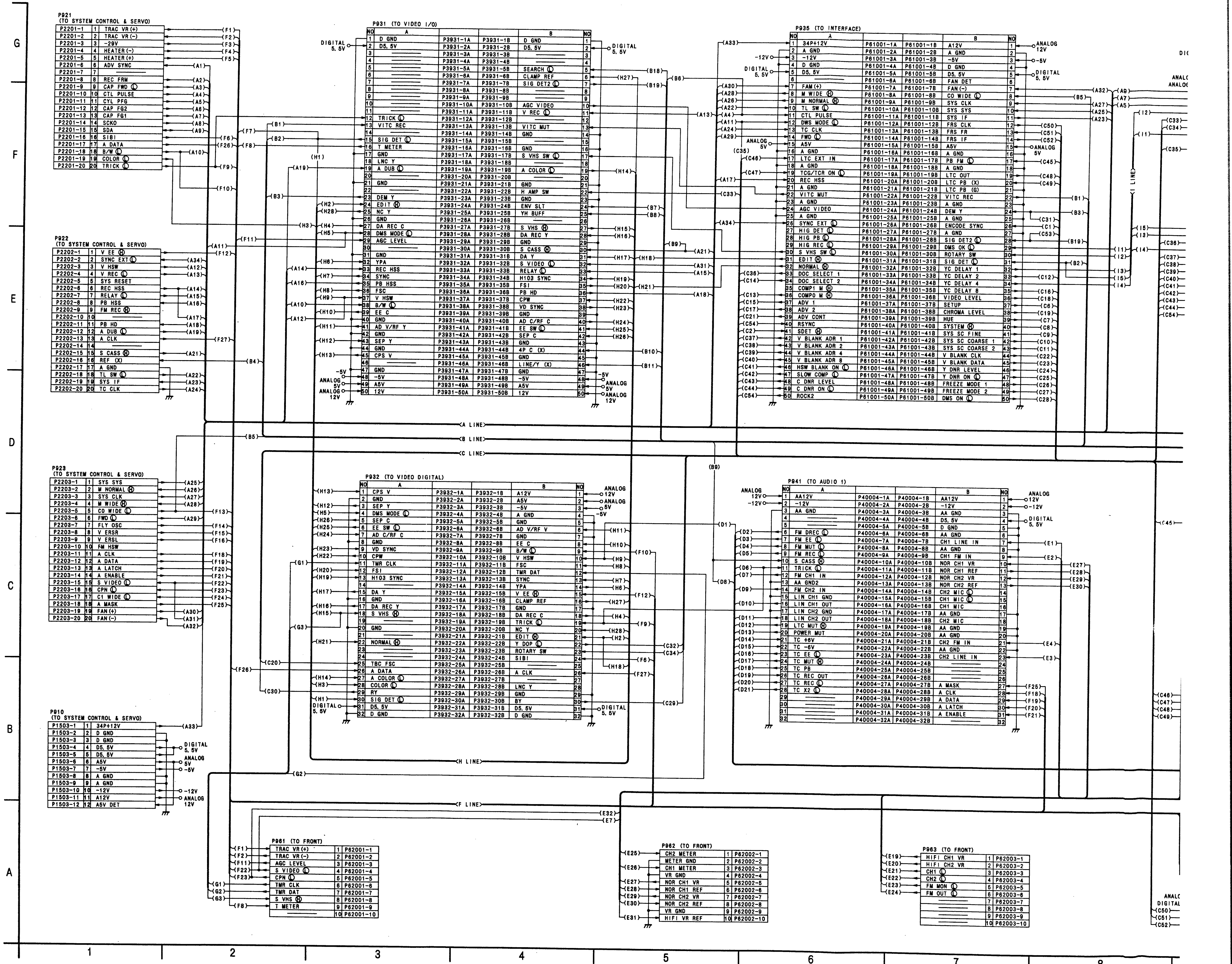
REF	AG-DS850	AG-DS840
C5004	50V0.1	50V1
C5006	0.01	0.01
C5007	0.01	—
C5008	0.01	—
C5009	1800P(J)(NPO)	—
C5011	16V22	—
C5012	0.047	—
C5017	8P	8P
C5021	8P	8P
C5023	2P	2P
C5026	2P	2P
C5030	0.01	—
C5031	0.1	—
C5032	0.1	0.1
C5033	0.1	0.1
C5034	1000P(K)	1000P(K)
C5035	6V47	6V47
C5036	0.01	0.01
C5037	0.01(K)	0.01(K)
C5038	0.01(K)	—
C5039	0.01	0.01
C5040	0.01	—
C5042	50V1	50V1
C5043	470P	470P
C5044	100P	100P
C5045	100P	100P
C5046	470P	470P
C5047	50V1	50V1
C5048	0.0047	0.0047
C5056	0.01	—
C5057	—	—
C5058	—	—
C5059	—	—
C5060	—	—
C5061	—	—
C5062	—	—
C5063	—	—
D5004	MA151K-TW	—
IC5002	BA7740FS	BA7740FS
IC5003	—	—
J5001	—	—
L5002	100U	—
L5003	100U	100U
L5004	100U	—
L5007	—	—
L5008	—	—
P5003	VJP3091	VJP3091

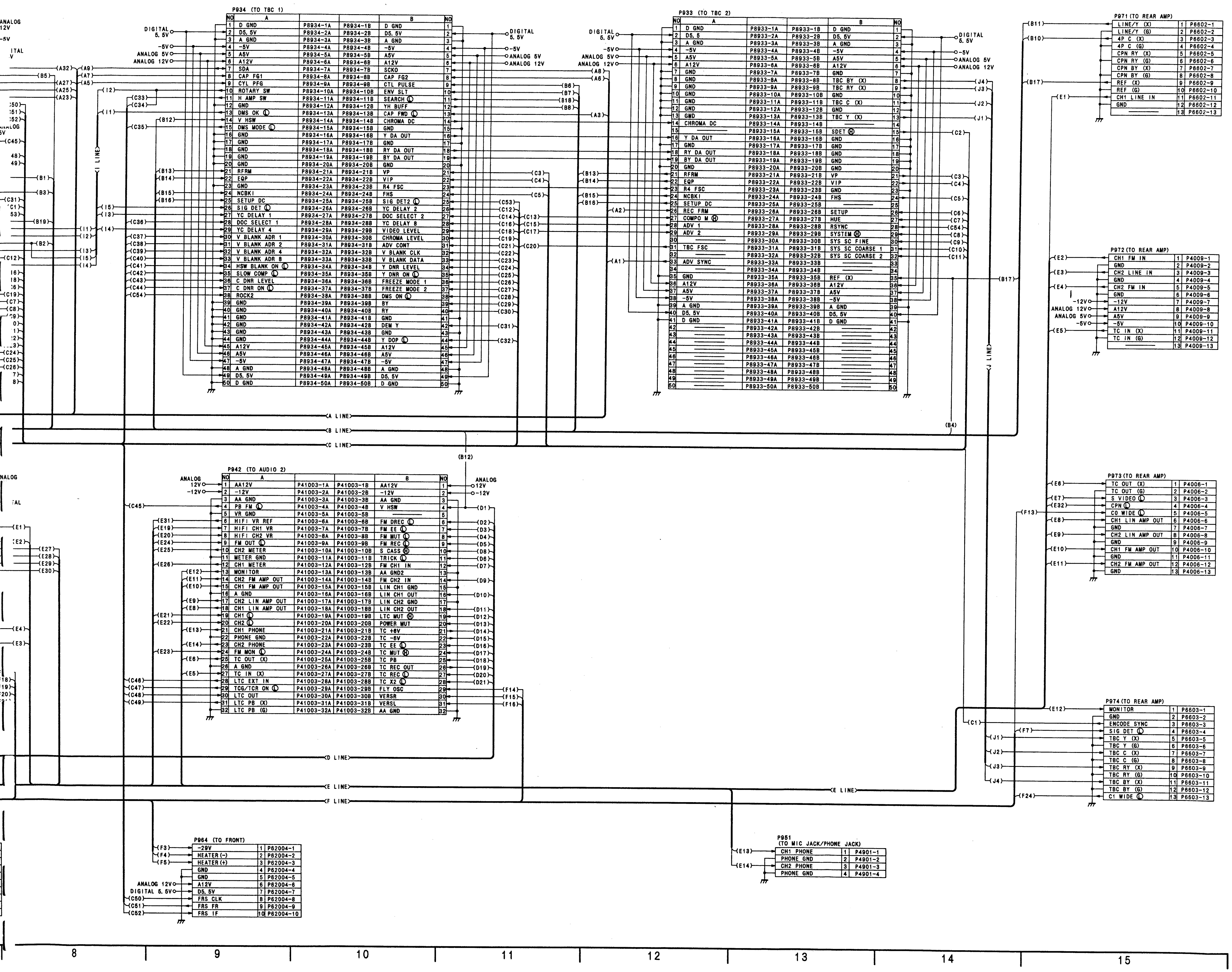
REF	AG-DS850	AG-DS840
Q5002	2SC2295	—
Q5003	XN4504-TW	XN4504-TW
Q5004	2SC2295	—
Q5005	2SC2295	2SC2295
R5002	—	—
R5003	0	0
R5008	2200	—
R5009	470	—
R5010	1	1
R5019	390	390
R5020	3300	—
R5021	3300	—
R5022	1600	1600
R5026	0	0
R5027	33K	33K
R5028	24K(G)	24K(G)
R5029	27K(G)	27K(G)
R5030	390	390
R5031	10K	10K
R5032	47K	47K
R5033	27K	—
R5034	15K	15K
R5036	3300	3300
R5037	1600	1600
R5038	1600	1500
R5039	3300	3300
R5040	220(1/4W)	—
R5041	18	18
R5042	10	10
R5043	10	10
R5044	10K	10K
R5045	10K	10K
R5046	0	0
R5047	0	0
R5056	—	—
R5057	—	—
R5058	0	—
R5059	47K	47K
R5060	—	—
R5061	0	—
R5062	220(1/4W)	—
R5070	0	—
TP5001	VJR0098	—
TP5002	VJR0098	—
TP5003	VJR0098	—
VR5001	2KB(CA)	—
VR5002	2KB(CA)	—

REAR AMP COMPARISON CHART (E28)

REF	AG-DS850	AG-DS840
C4001	16V10/ESN	*PAT/ESN
C4002	16V10/ESN	*PAT/ESN
C4003	16V10/ESN	*PAT/ESN
C4004	16V10/ESN	*PAT/ESN
C4007	16V10/ESN	*PAT/ESN
C4008	16V10/ESN	*PAT/ESN
C4009	16V10/ESN	*PAT/ESN
C4010	16V10/ESN	*PAT/ESN
C4014	16V47/EKA	*PAT/EKA
C4015	16V100/EKA	*PAT/EKA
C4044	16V47/EKA	*PAT/EKA
C4045	16V100/EKA	*PAT/EKA
C4046	33P/UN	*PAT/UN
C4047	33P/UN	*PAT/UN
C4048	33P/UN	*PAT/UN
C4049	33P/UN	*PAT/UN
C6601	10V47/EKA	*PAT/EKA
C6602	10V47/EKA	*PAT/EKA
C6603	*PAT/EKS	*PAT/EKS
C6604	0.1/UFN	*PAT/UFN
C6605	10V100/EKA	*PAT/EKA
C6606	0.1/UFN	*PAT/UFN
C6607	0.1/UFN	*PAT/UFN
C6608	*PAT/EKS	*PAT/EKS
C6609	*PAT/EKS	*PAT/EKS
C6625	*PAT/UN	*PAT/UN
C6626	*PAT/UN	*PAT/UN
C6627	*PAT/UN	*PAT/UN
C6665	0.01/UFN	*PAT/UFN
C6666	0.01/UFN	*PAT/UFN
D4001	MA151WA-TW	*PAT
D4002	MA151WK-TW	*PAT
D4003	MA151WA-TW	*PAT
D4004	MA151WK-TW	*PAT
D4005	MA151WA-TW	*PAT
D4006	MA151WK-TW	*PAT
D4007	MA151WA-TW	*PAT
D4008	MA151WK-TW	*PAT
D6602	MA151K-TW	*PAT
IC4001	NJM4556MB-T1	*PAT
IC4002	NJM4556MB-T1	*PAT
IC4003	NJM4556MB-T1	*PAT
IC4004	AN6558S	*PAT
IC4005	NJM4556MB-T1	*PAT
IC4006	NJM4556MB-T1	*PAT
IC4007	NJM4556MB-T1	*PAT
IC4008	AN6558S	*PAT
IC6601	NJM2233BMAT1	*PAT
L6613	*PAT/QEK	*PAT/QEK
P4008	VJP3092	*PAT
P4009	VJP3490B13	*PAT
P6604	VJS1468	*PAT
Q4001	2SD1328-RSTW	*PAT
Q4002	2SD1328-RSTW	*PAT
Q4003	2SD1328-RSTW	*PAT
Q4004	2SD1328-RSTW	*PAT
Q4005	2SD1328-RSTW	*PAT
Q4006	2SD1328-RSTW	*PAT
Q4007	2SD1328-RSTW	*PAT
Q4008	2SD1328-RSTW	*PAT
Q4037	2SB710-RSTW	*PAT
Q4038	2SD602-RSTW	*PAT
Q6601	MSD601-RT2	*PAT
Q6602	MSD601-RT2	*PAT
Q6603	MSD601-RT2	*PAT
Q6604	*PAT	*PAT
Q6605	*PAT	*PAT
Q6607	*PAT	*PAT
Q6608	*PAT	*PAT
Q6613	MSB709-RT2	*PAT
QR6601	*PAT	*PAT
QR6603	MRN1404TE85R	*PAT
R4001	680/J6	*PAT/J6
R4002	47K/J6	*PAT/J6
R4003	47K/J6	*PAT/J6
R4004	8200/J6	*PAT/J6
R4005	8200/J6	*PAT/J6
R4006	100K/J6	*PAT/J6
R4007	100K/J6	*PAT/J6
R4008	3300/RE	*PAT/J6
R4009	4700/RE	*PAT/J6
R4010	4700/RE	*PAT/J6
R4011	4700/RE	*PAT/J6
R4012	4700/RE	*PAT/J6
R4013	4700/RE	*PAT/J6
R4014	4700/RE	*PAT/J6
R4015	47K/J6	*PAT/J6
R4016	680/J6	*PAT/J6
R4017	47K/J6	*PAT/J6
R4018	8200/J6	*PAT/J6
R4019	8200/J6	*PAT/J6
R4020	100K/J6	*PAT/J6
R4021	100K/J6	*PAT/J6
R4022	3300/RE	*PAT/J6
R4023	4700/RE	*PAT/J6
R4024	4700/RE	*PAT/J6
R4025	4700/RE	*PAT/J6
R4026	4700/RE	*PAT/J6
R4027	4700/RE	*PAT/J6
R4028	4700/RE	*PAT/J6
R4029	10K/J6	*PAT/J6
R4030	18K/J6	*PAT/J6
R4032	10K/J6	*PAT/J6
R4033	10K/J6	*PAT/J6
R4034	10K/J6	*PAT/J6
R4035	10K/J6	*PAT/J6
R4036	18K/J6	*PAT/J6
R4038	10K/J6	*PAT/J6
R4039	10K/J6	*PAT/J6
R4040	10K/J6	*PAT/J6
R4041	680/J6	*PAT/J6
R4042	47K/J6	*PAT/J6
R4043	47K/J6	*PAT/J6
R4044	8200/J6	*PAT/J6
R4045	8200/J6	*PAT/J6
R4046	100K/J6	*PAT/J6
R4047	100K/J6	*PAT/J6
R4048	3300/RE	*PAT/J6
R4049	4700/RE	*PAT/J6
R4050	4700/RE	*PAT/J6
R4051	4700/RE	*PAT/J6
R4052	4700/RE	*PAT/J6
R4053	4700/RE	*PAT/J6
R4054	4700/RE	*PAT/J6
R4055	680/J6	*PAT/J6
R4056	47K/J6	*PAT/J6
R4057	47K/J6	*PAT/J6
R4058	8200/J6	*PAT/J6
R4059	8200/J6	*PAT/J6
R4060	100K/J6	*PAT/J6
R4061	100K/J6	*PAT/J6
R4062	3300/RE	*PAT/J6
R4063	4700/RE	*PAT/J6
R4064	4700/RE	*PAT/J6
R4065	4700/RE	*PAT/J6
R4066	4700/RE	*PAT/J6
R4067	4700/RE	*PAT/J6
R4068	4700/RE	*PAT/J6
R4069	10K/J6	*PAT/J6
R4070	18K/J6	*PAT/J6
R4072	10K/J6	*PAT/J6
R4073	10K/J6	*PAT/J6
R4074	10K/J6	*PAT/J6
R4075	10K/J6	*PAT/J6
R4076	10K/J6	*PAT/J6
R4077	18K/J6	*PAT/J6
R4079	10K/J6	*PAT/J6
R4080	10K/J6	*PAT/J6
R4081	10K/J6	*PAT/J6
R4082	10K/J6	*PAT/J6
R4094	10K/J6	*PAT/J6
R4095	10K/J6	*PAT/J6
R4206	150/J6	*PAT/J6
R4207	150/J6	*PAT/J6
R4208	5600/J6	*PAT/J6
R4209	5600/J6	*PAT/J6
R4210	5600/J6	*PAT/J6
R4211	5600/J6	*PAT/J6
R4212	*PAT/J6	*PAT/J6
R4213	*PAT/J6	*PAT/J6
R4214	*PAT/J6	*PAT/J6
R4215	*PAT/J6	*PAT/J6
R6601	3300/J6	*PAT/J6
R6602	47/J6	*PAT/J6
R6603	*PAT/J6	*PAT/J6
R6604	75/G6	*PAT/J6
R6605	220/J6	*PAT/J6
R6606	1000/J6	*PAT/J6
R6607	47/J6	*PAT/J6
R6608	1000/J6	*PAT/J6
R6609	4700/J6	*PAT/J6
R6610	2700/J6	*PAT/J6
R6612	*PAT/J6	*PAT/J6
R6613	*PAT/J6	*PAT/J6
R6614	*PAT/J6	*PAT/J6
R6615	*PAT/J6	*PAT/J6
R6616	*PAT/J6	*PAT/J6
R6617	*PAT/J6	*PAT/J6
R6634	*PAT/J6	*PAT/J6
R6635	*PAT/J6	*PAT/J6
R6636	*PAT/J6	*PAT/J6
R6637	*PAT/J6	*PAT/J6
R6638	*PAT/J6	*PAT/J6
R6651	*PAT/J6	*PAT/J6
R6668	10K/J6	*PAT/J6
R6669	120K/J6	*PAT/J6
R6670	1000/J6	*PAT/J6
R6671	220/J6	*PAT/J6
SW4004	VSS0208	*PAT
SW4005	VSS0208	*PAT
X6601	VSX0197	VSX0197

MOTHER SCHEMATIC DIAGRAM (E4)


P921 (TO SYSTEM CONTROL & SERVO)
P922 (TO SYSTEM CONTROL & SERVO)
P923 (TO SYSTEM CONTROL & SERVO)
P910 (TO SYSTEM CONTROL & SERVO)
P931 (TO VIDEO I/O)
P932 (TO VIDEO DIGITAL)
P935 (TO INTERFACE)
P941 (TO AUDIO 1)
P961 (TO FRONT)
P962 (TO FRONT)
P963 (TO FRONT)
A LINE
B LINE
C LINE
H LINE
F LINE
I LINE
DIGITAL 5.5V
ANALOG 12V
ANALOG 5V
-5V
-12V
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8


P934 (TO TBC 1)
NO A B NO
1 D GND P8934-1A P8934-1B D GND 1
2 D5. 5V P8934-2A P8934-2B D5. 5V 2
3 A GND P8934-3A P8934-3B A GND 3
4 -5V P8934-4A P8934-4B -5V 4
5 A5V P8934-5A P8934-5B A5V 5
6 A12V P8934-6A P8934-6B A12V 6
7 SDA P8934-7A P8934-7B SCKO 7
8 CAP FG1 P8934-8A P8934-8B CAP FG2 8
9 CYL PFG P8934-9A P8934-9B CTL PULSE 9
10 ROTARY SW P8934-10A P8934-10B ENV SLT 10
11 H AMP SW P8934-11A P8934-11B SEARCH Ⓛ 11
12 GND P8934-12A P8934-12B YH BUFF 12
13 DMS OK Ⓛ P8934-13A P8934-13B CAP FWD Ⓛ 13
14 V HSW P8934-14A P8934-14B CHROMA DC 14
15 DMS MODE Ⓛ P8934-15A P8934-15B GND 15
16 GND P8934-16A P8934-16B Y DA OUT 16
17 GND P8934-17A P8934-17B GND 17
18 GND P8934-18A P8934-18B RY DA OUT 18
19 GND P8934-19A P8934-19B BY DA OUT 19
20 GND P8934-20A P8934-20B GND 20
21 RFRM P8934-21A P8934-21B VP 21
22 EQP P8934-22A P8934-22B VIP 22
23 GND P8934-23A P8934-23B R4 FSC 23
24 NCBKI P8934-24A P8934-24B FHS 24
25 SETUP DC P8934-25A P8934-25B SIG DET2 Ⓛ 25
26 SIG DET Ⓛ P8934-26A P8934-26B YC DELAY 2 26
27 YC DELAY 1 P8934-27A P8934-27B DOC SELECT 2 27
28 DOC SELECT 1 P8934-28A P8934-28B YC DELAY 8 28
29 YC DELAY 4 P8934-29A P8934-29B VIDEO LEVEL 29
30 V BLANK ADR 1 P8934-30A P8934-30B CHROMA LEVEL 30
31 V BLANK ADR 2 P8934-31A P8934-31B ADV CONT 31
32 V BLANK ADR 4 P8934-32A P8934-32B V BLANK CLK 32
33 V BLANK ADR 8 P8934-33A P8934-33B V BLANK DATA 33
34 HSW BLANK ON Ⓛ P8934-34A P8934-34B Y DNR LEVEL 34
35 SLOW COMP Ⓛ P8934-35A P8934-35B Y DNR ON Ⓛ 35
36 C DNR LEVEL P8934-36A P8934-36B FREEZE MODE 1 36
37 C DNR ON Ⓛ P8934-37A P8934-37B FREEZE MODE 2 37
38 ROCK2 P8934-38A P8934-38B DMS ON Ⓛ 38
39 GND P8934-39A P8934-39B BY 39
40 GND P8934-40A P8934-40B RY 40
41 GND P8934-41A P8934-41B GND 41
42 GND P8934-42A P8934-42B DEM Y 42
43 GND P8934-43A P8934-43B GND 43
44 GND P8934-44A P8934-44B Y DOP Ⓛ 44
45 A12V P8934-45A P8934-45B A12V 45
46 A5V P8934-46A P8934-46B A5V 46
47 -5V P8934-47A P8934-47B -5V 47
48 A GND P8934-48A P8934-48B A GND 48
49 D5. 5V P8934-49A P8934-49B D5. 5V 49
50 D GND P8934-50A P8934-50B D GND 50
P933 (TO TBC 2)
NO A B NO
1 D GND P8933-1A P8933-1B D GND 1
2 D5. 5 P8933-2A P8933-2B D5. 5V 2
3 A GND P8933-3A P8933-3B A GND 3
4 -5V P8933-4A P8933-4B -5V 4
5 A5V P8933-5A P8933-5B A5V 5
6 A12V P8933-6A P8933-6B A12V 6
7 GND P8933-7A P8933-7B GND 7
8 GND P8933-8A P8933-8B TBC BY (X) 8
9 GND P8933-9A P8933-9B TBC RY (X) 9
10 GND P8933-10A P8933-10B GND 10
11 GND P8933-11A P8933-11B TBC C (X) 11
12 GND P8933-12A P8933-12B GND 12
13 GND P8933-13A P8933-13B TBC Y (X) 13
14 CHROMA DC P8933-14A P8933-14B — 14
15 — P8933-15A P8933-15B SDET Ⓗ 15
16 Y DA OUT P8933-16A P8933-16B GND 16
17 GND P8933-17A P8933-17B GND 17
18 RY DA OUT P8933-18A P8933-18B GND 18
19 BY DA OUT P8933-19A P8933-19B GND 19
20 GND P8933-20A P8933-20B GND 20
21 RFRM P8933-21A P8933-21B VP 21
22 EQP P8933-22A P8933-22B VIP 22
23 R4 FSC P8933-23A P8933-23B GND 23
24 NCBKI P8933-24A P8933-24B FHS 24
25 SETUP DC P8933-25A P8933-25B — 25
26 REC FRM P8933-26A P8933-26B SETUP 26
27 COMPO M Ⓗ P8933-27A P8933-27B HUE 27
28 ADV 1 P8933-28A P8933-28B RSYNC 28
29 ADV 2 P8933-29A P8933-29B SYSTEM Ⓗ 29
30 — P8933-30A P8933-30B SYS SC FINE 30
31 TBC FSC P8933-31A P8933-31B SYS SC COARSE 1 31
32 — P8933-32A P8933-32B SYS SC COARSE 2 32
33 ADV SYNC P8933-33A P8933-33B — 33
34 — P8933-34A P8933-34B — 34
35 GND P8933-35A P8933-35B REF (X) 35
36 A12V P8933-36A P8933-36B A12V 36
37 A5V P8933-37A P8933-37B A5V 37
38 -5V P8933-38A P8933-38B -5V 38
39 A GND P8933-39A P8933-39B A GND 39
40 D5. 5V P8933-40A P8933-40B D5. 5V 40
41 D GND P8933-41A P8933-41B D GND 41
42 — P8933-42A P8933-42B — 42
43 — P8933-43A P8933-43B — 43
44 — P8933-44A P8933-44B — 44
45 — P8933-45A P8933-45B — 45
46 — P8933-46A P8933-46B — 46
47 — P8933-47A P8933-47B — 47
48 — P8933-48A P8933-48B — 48
49 — P8933-49A P8933-49B — 49
50 — P8933-50A P8933-50B — 50
P971 (TO REAR AMP)
LINE/Y (X) 1 P6602-1
LINE/Y (G) 2 P6602-2
4P C (X) 3 P6602-3
4P C (G) 4 P6602-4
CPN RY (X) 5 P6602-5
CPN RY (G) 6 P6602-6
CPN BY (X) 7 P6602-7
CPN BY (G) 8 P6602-8
REF (X) 9 P6602-9
REF (G) 10 P6602-10
CH1 LINE IN 11 P6602-11
GND 12 P6602-12
— 13 P6602-13
P972 (TO REAR AMP)
CH1 FM IN 1 P4009-1
GND 2 P4009-2
CH2 LINE IN 3 P4009-3
GND 4 P4009-4
CH2 FM IN 5 P4009-5
GND 6 P4009-6
-12V 7 P4009-7
A12V 8 P4009-8
A5V 9 P4009-9
-5V 10 P4009-10
TC IN (X) 11 P4009-11
TC IN (G) 12 P4009-12
— 13 P4009-13
P942 (TO AUDIO 2)
NO A B NO
1 AA12V P41003-1A P41003-1B AA12V 1
2 -12V P41003-2A P41003-2B -12V 2
3 AA GND P41003-3A P41003-3B AA GND 3
4 PB FM Ⓛ P41003-4A P41003-4B V HSW 4
5 VR GND P41003-5A P41003-5B — 5
6 HIFI VR REF P41003-6A P41003-6B FM DREC Ⓛ 6
7 HIFI CH1 VR P41003-7A P41003-7B FM EE Ⓛ 7
8 HIFI CH2 VR P41003-8A P41003-8B FM MUT Ⓛ 8
9 FM OUT Ⓛ P41003-9A P41003-9B FM REC Ⓛ 9
10 CH2 METER P41003-10A P41003-10B S CASS Ⓗ 10
11 METER GND P41003-11A P41003-11B TRICK Ⓛ 11
12 CH1 METER P41003-12A P41003-12B FM CH1 IN 12
13 MONITOR P41003-13A P41003-13B AA GND2 13
14 CH2 FM AMP OUT P41003-14A P41003-14B FM CH2 IN 14
15 CH1 FM AMP OUT P41003-15A P41003-15B LIN CH1 GND 15
16 A GND P41003-16A P41003-16B LIN CH1 OUT 16
17 CH2 LIN AMP OUT P41003-17A P41003-17B LIN CH2 GND 17
18 CH1 LIN AMP OUT P41003-18A P41003-18B LIN CH2 OUT 18
19 CH1 Ⓛ P41003-19A P41003-19B LTC MUT Ⓗ 19
20 CH2 Ⓛ P41003-20A P41003-20B POWER MUT 20
21 CH1 PHONE P41003-21A P41003-21B TC +6V 21
22 PHONE GND P41003-22A P41003-22B TC -6V 22
23 CH2 PHONE P41003-23A P41003-23B TC EE Ⓛ 23
24 FM MON Ⓛ P41003-24A P41003-24B TC MUT Ⓗ 24
25 TC OUT (X) P41003-25A P41003-25B TC PB 25
26 A GND P41003-26A P41003-26B TC REC OUT 26
27 TC IN (X) P41003-27A P41003-27B TC REC Ⓛ 27
28 LTC EXT IN P41003-28A P41003-28B TC X2 Ⓛ 28
29 TCG/TCR ON Ⓛ P41003-29A P41003-29B FLY OSC 29
30 LTC OUT P41003-30A P41003-30B VERSR 30
31 LTC PB (X) P41003-31A P41003-31B VERSL 31
32 LTC PB (G) P41003-32A P41003-32B AA GND 32
P973 (TO REAR AMP)
TC OUT (X) 1 P4006-1
TC OUT (G) 2 P4006-2
S VIDEO Ⓛ 3 P4006-3
CPN Ⓛ 4 P4006-4
CO WIDE Ⓛ 5 P4006-5
CH1 LIN AMP OUT 6 P4006-6
GND 7 P4006-7
CH2 LIN AMP OUT 8 P4006-8
GND 9 P4006-9
CH1 FM AMP OUT 10 P4006-10
GND 11 P4006-11
CH2 FM AMP OUT 12 P4006-12
GND 13 P4006-13
P974 (TO REAR AMP)
MONITOR 1 P6603-1
GND 2 P6603-2
ENCODE SYNC 3 P6603-3
SIG DET Ⓛ 4 P6603-4
TBC Y (X) 5 P6603-5
TBC Y (G) 6 P6603-6
TBC C (X) 7 P6603-7
TBC C (G) 8 P6603-8
TBC RY (X) 9 P6603-9
TBC RY (G) 10 P6603-10
TBC BY (X) 11 P6603-11
TBC BY (G) 12 P6603-12
C1 WIDE Ⓛ 13 P6603-13
P964 (TO FRONT)
-29V 1 P62004-1
HEATER (-) 2 P62004-2
HEATER (+) 3 P62004-3
GND 4 P62004-4
GND 5 P62004-5
A12V 6 P62004-6
D5. 5V 7 P62004-7
FRS CLK 8 P62004-8
FRS FR 9 P62004-9
FRS IF 10 P62004-10
P951
(TO MIC JACK/PHONE JACK)
CH1 PHONE 1 P4901-1
PHONE GND 2 P4901-2
CH2 PHONE 3 P4901-3
PHONE GND 4 P4901-4
DIGITAL 5. 5V
-5V
ANALOG 5V
ANALOG 12V
ANALOG 12V
DIGITAL 5. 5V
ANALOG 12V
-12V
-12V
ANALOG 5V
A LINE
B LINE
C LINE
D LINE
E LINE
F LINE
I LINE
J LINE
8
9
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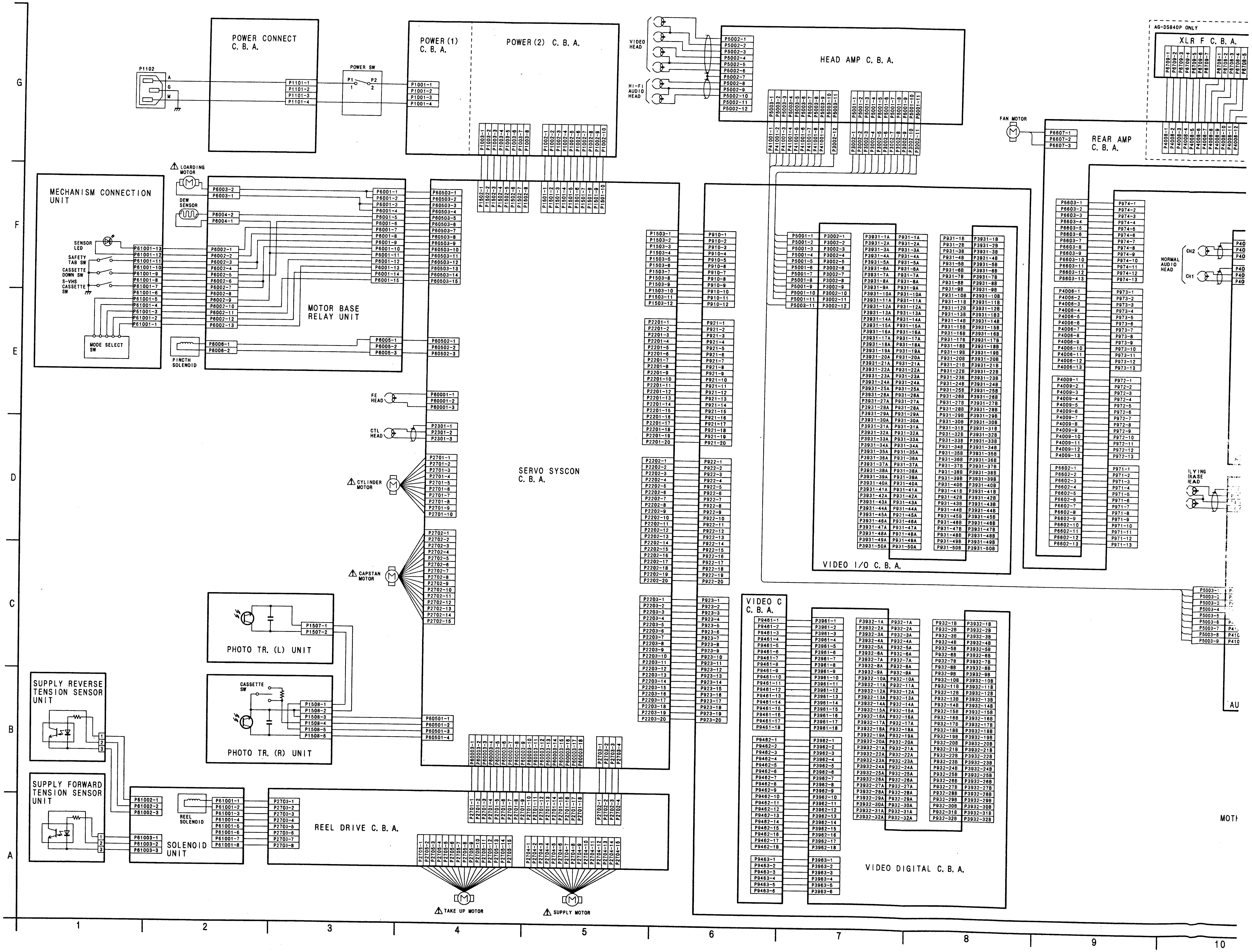
13
14
15

INTERCONNECTION SCHEMATIC DIAGRAM


POWER CONNECT C. B. A.
POWER SW
POWER (1) C. B. A.
POWER (2) C. B. A.
P1102
VIDEO HEAD
HI-FI AUDIO HEAD
HEAD AMP C. B. A.
AG-DS840P ONLY
XLR F C. B. A.
FAN MOTOR
REAR AMP C. B. A.
MECHANISM CONNECTION UNIT
SENSOR LED
SAFETY TAB SW
CASSETTE DOWN SW
S-VHS CASSETTE SW
MODE SELECT SW
LOARDING MOTOR
DEW SENSOR
MOTOR BASE RELAY UNIT
PINCTH SOLENOID
FE HEAD
CTL HEAD
CYLINDER MOTOR
CAPSTAN MOTOR
SERVO SYSCON C. B. A.
PHOTO TR. (L) UNIT
CASSETTE SW
PHOTO TR. (R) UNIT
SUPPLY REVERSE TENSION SENSOR UNIT
SUPPLY FORWARD TENSION SENSOR UNIT
SOLENOID UNIT
REEL SOLENOID
REEL DRIVE C. B. A.
TAKE UP MOTOR
SUPPLY MOTOR
VIDEO I/O C. B. A.
VIDEO C C. B. A.
VIDEO DIGITAL C. B. A.
NORMAL AUDIO HEAD
CH2
CH1
FLYING ERASE HEAD
AU
MOTI
A
B
C
D
E
F
G
1
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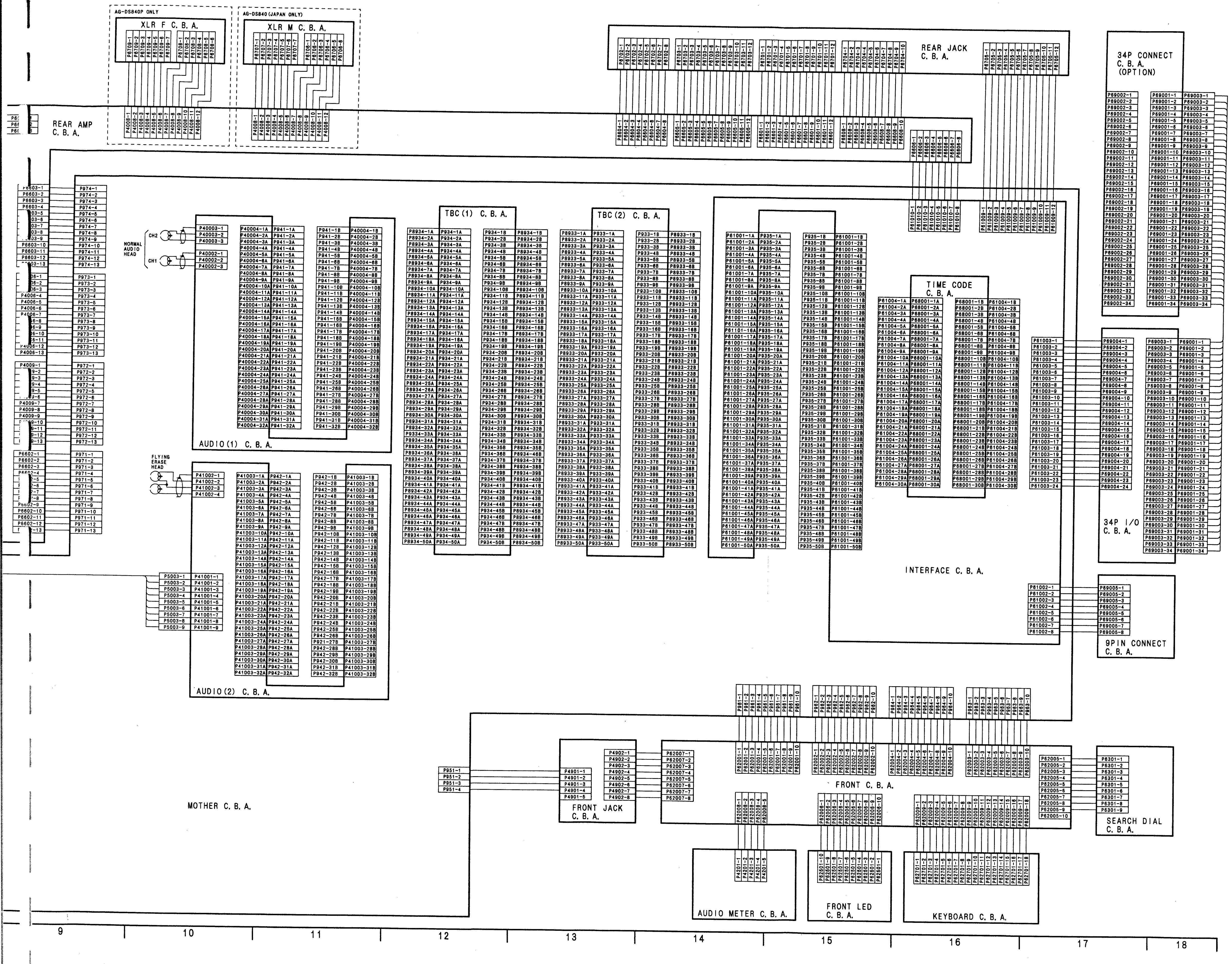

AG-DS840P ONLY
XLR F C. B. A.
AG-DS840 (JAPAN ONLY)
XLR M C. B. A.
REAR AMP C. B. A.
REAR JACK C. B. A.
34P CONNECT C. B. A. (OPTION)
TBC (1) C. B. A.
TBC (2) C. B. A.
TIME CODE C. B. A.
INTERFACE C. B. A.
34P I/O C. B. A.
9PIN CONNECT C. B. A.
AUDIO (1) C. B. A.
AUDIO (2) C. B. A.
NORMAL AUDIO HEAD
CH1
CH2
FLYING ERASE HEAD
MOTHER C. B. A.
FRONT JACK C. B. A.
FRONT C. B. A.
SEARCH DIAL C. B. A.
AUDIO METER C. B. A.
FRONT LED C. B. A.
KEYBOARD C. B. A.
9
10
11
12
13
14
15
16
17
18

SECTION 4

CIRCUIT BOARDS

CONTENTS

VIDEO DIGITAL C.B.A. (E6) ---------- CBA-2
SERVO & SYSTEM CONTROL C.B.A. (E3) ---------- CBA-3
VIDEO C C.B.A. (E13) ---------- CBA-4
VIDEO I/O C.B.A. (E5) ---------- CBA-5
TBC (1) C.B.A. (E11) AND DMS SUB C.B.A. (E101) ---------- CBA-6

GENERAL COMPARISON CHART

CIRCUIT BOARDS	AG-DS850P Page	REMARK
POWER (1) C.B.A. (E1)	CBA-3	COMMON (See AG-DS850P S/M)
POWER (2) C.B.A. (E2)	CBA-3	COMMON (See AG-DS850P S/M)
MOTHER C.B.A. (E4)	CBA-4	COMMON (See AG-DS850P S/M)
FRONT JACK C.B.A. (E19)	CBA-4	COMMON (See AG-DS850P S/M)
MIC JACK C.B.A. (E20)	CBA-4	DELETED
SERVO & SYSTEM CONTROL C.B.A. (E3)	CBA-5	CHANGED (See Page: CBA-3)
POWER DET SUB C.B.A. (E102)	CBA-5	DELETED (absorbed by “E3”)
VIDEO C C.B.A. (E13)	CBA-6	CHANGED (See Page: CBA-4)
VIDEO DIGITAL C.B.A. (E6)	CBA-7	CHANGED (See Page: CBA-2)
VIDEO I/O C.B.A. (E5)	CBA-8	CHANGED (See Page: CBA-5)
VIDEO I/O SUB (1) C.B.A. (E104)	CBA-8	DELETED (absorbed by “E5”)
TBC (1) C.B.A. (E11)	CBA-9	CHANGED (See Page: CBA-6)
TBC SUB C.B.A. (E101)	CBA-9	DELETED
DMS SUB C.B.A. (E101)	—	ADDED (See Page: CBA-6)
TBC (2) C.B.A. (E12)	CBA-10	COMMON (See AG-DS850P S/M)
AUDIO (1) C.B.A. (E7)	CBA-11	COMMON (See AG-DS850P S/M)
AUDIO (2) C.B.A. (E8)	CBA-12	COMMON (See AG-DS850P S/M)
INTERFACE C.B.A. (E9)	CBA-13	COMMON (See AG-DS850P S/M)
TIME CODE C.B.A. (E10)	CBA-13	COMMON (See AG-DS850P S/M)
9 PIN CONNECT C.B.A. (E33)	CBA-13	COMMON (See AG-DS850P S/M)
FRONT C.B.A. (E16)	CBA-14	COMMON (See AG-DS850P S/M)
FRONT LED C.B.A. (E17)	CBA-14	COMMON (See AG-DS850P S/M)
KEYBOARD C.B.A. (E18)	CBA-15	COMMON (See AG-DS850P S/M)
REAR JACK C.B.A. (E29)	CBA-15	COMMON (See AG-DS850P S/M)
REAR AMP C.B.A. (E28)	CBA-16	COMMON (See AG-DS850P S/M)
HEAD AMP C.B.A. (E15)	CBA-17	COMMON (See AG-DS850P S/M)
REEL DRIVE C.B.A. (E14)	CBA-18	COMMON (See AG-DS850P S/M)
XLR M C.B.A. (E30)	CBA-18	COMMON (See AG-DS850P S/M)
XLR F C.B.A. (E31)	CBA-18	DELETED

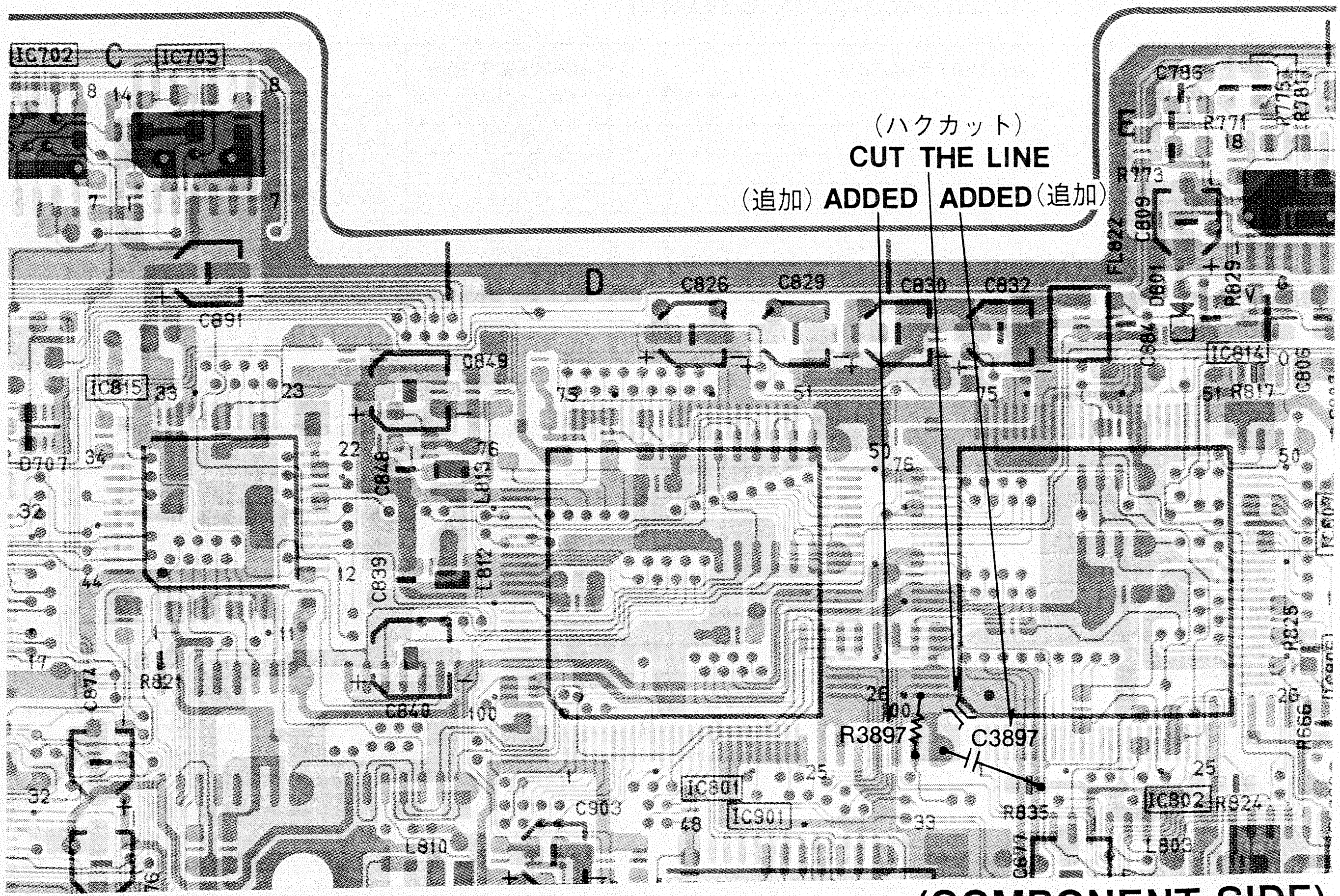
IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

NOTE

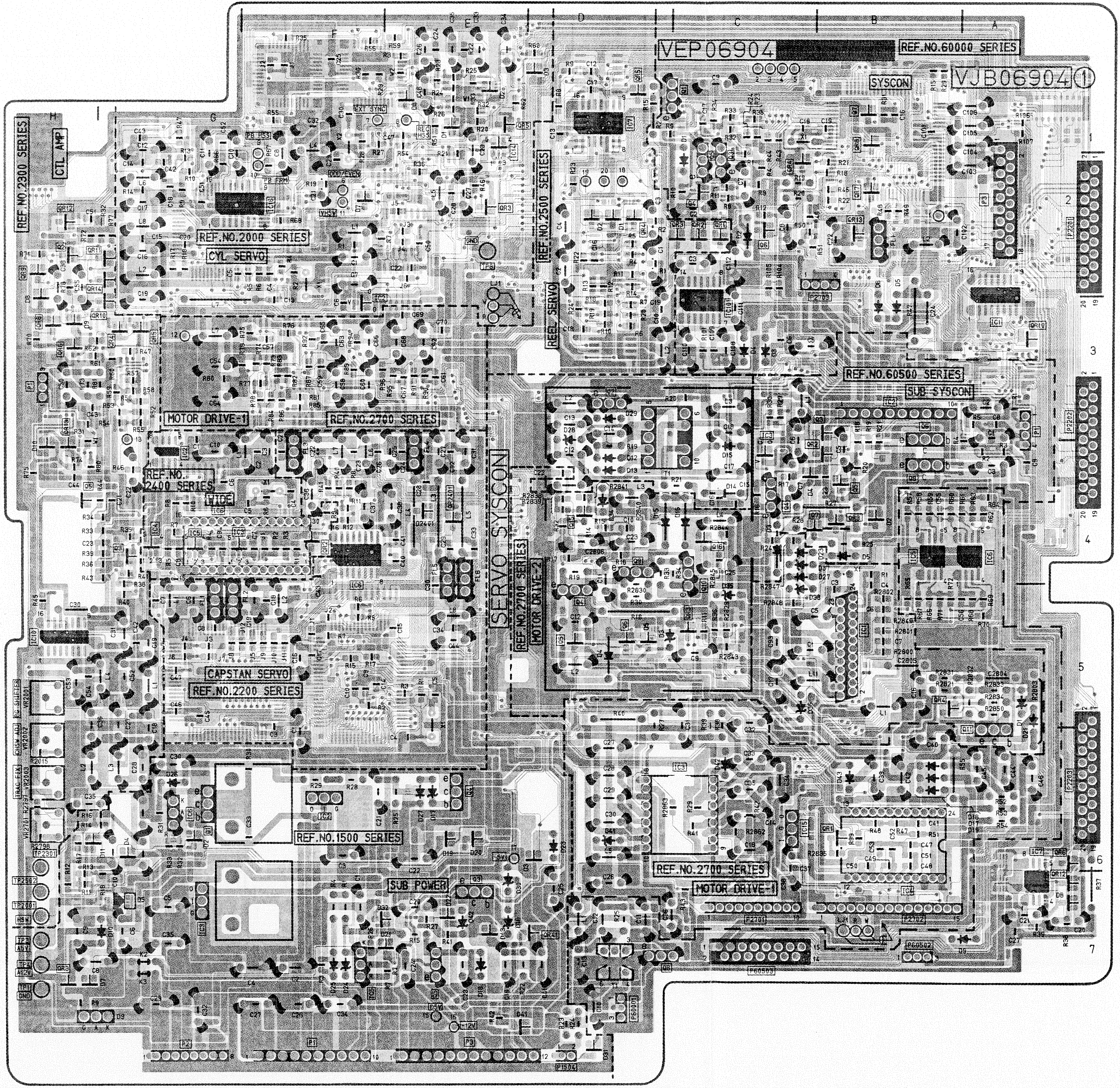
DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST. AND MAY BE SLIGHTLY DIFFERENT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

VIDEO DIGITAL C.B.A. (E6) : See Page SCM-24 (AG-DS850P S/M)


(ハクカット)
CUT THE LINE
(追加) ADDED
ADDED (追加)
R3897
C3897
IC702
C
IC703
D
C826
C829
C830
C832
C891
C849
IC815
C848
L813
C839
L812
C840
R821
C872
IC801
IC901
C903
L810
R835
IC802
R824
L803
C786
R771
R773
C809
FL822
D801
R829
C884
IC814
R817
C806
D707
R825
R666
IC807

(COMPONENT SIDE)

SERVO & SYSTEM CONTROL C.B.A. (E3)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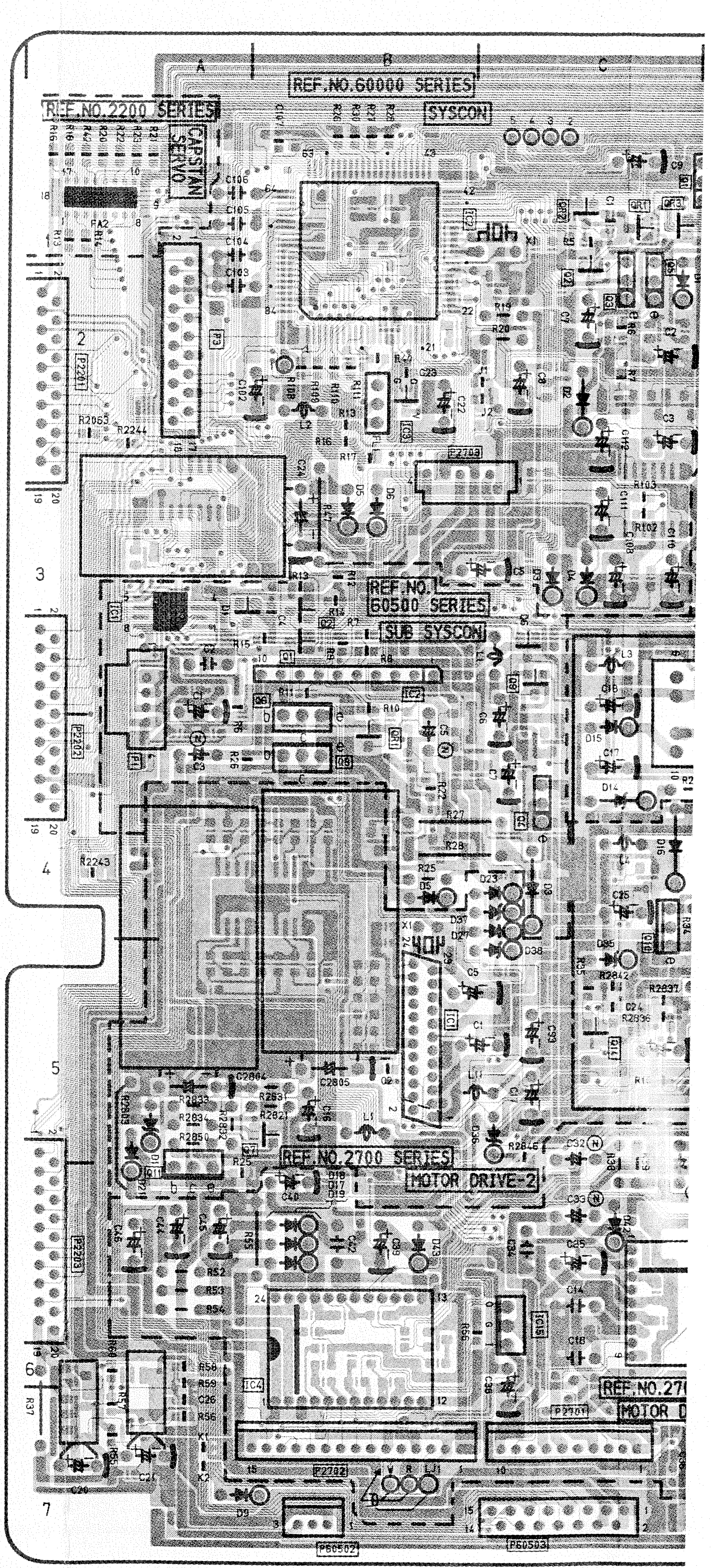
VJB06904①
SYSCON
REF.NO.2300 SERIES
CTL AMP
REF.NO.2000 SERIES
CYL SERVO
REF.NO.2500 SERIES
REEL SERVO
REF.NO.60500 SERIES
SUB SYSCON
MOTOR DRIVE-1
REF.NO.2700 SERIES
REF.NO.2400 SERIES
WIDE
SERVO SYSCON
REF.NO.2700 SERIES
MOTOR DRIVE-2
CAPSTAN SERVO
REF.NO.2200 SERIES
REF.NO.1500 SERIES
SUB POWER
REF.NO.2700 SERIES
MOTOR DRIVE-1
P2201
P2202
P2703
P2701
P2702
P60502
P60503
P1504
A
B
C
D
G
H
1
2
3
4
5
6
7

(FOIL SIDE)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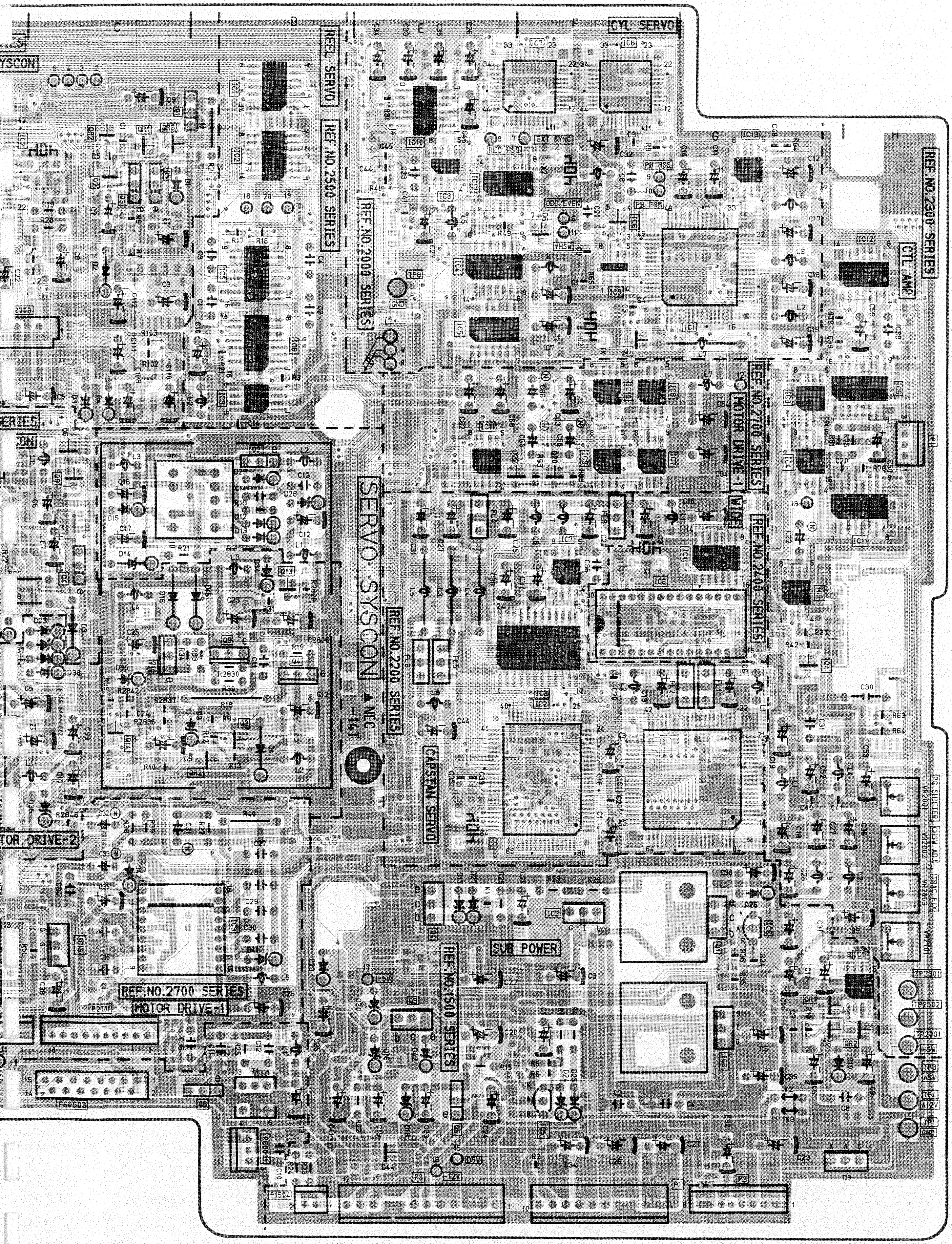
CAPSTAN SERVO
REF.NO.60000 SERIES
SYSCON
REF.NO. 60500 SERIES
SUB SYSCON
REF.NO.2700 SERIES
MOTOR DRIVE-2
REF.NO.27
MOTOR D
P2201
P2202
P2203
P2701
P2702
P60502
P60503
A
B
C
1
2
3
4
5
6
7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REF.NO.2500 SERIES
REF.NO.2000 SERIES
CYL SERVO
REF.NO.2300 SERIES
CTL AMP
MOTOR DRIVE-1
REF.NO.2700 SERIES
MDA
REF.NO.2400 SERIES
SERVO SYSCON
REF.NO.2200 SERIES
CAPSTAN SERVO
SUB POWER
REF.NO.1500 SERIES
MOTOR DRIVE-2
SYSCON
REC H.SS
EXT SYNC
PB H.SS
ODD/EVEN
TP2301
TP2502
TP2001
TP1501
TP1504
TP1503
P1501
P1502
P1503
P1504
P2
P60503

(COMPONENT SIDE)

SERVO & SYSTEM CONTROL C.B.A.

Transistor		
Q1501	G-6	Ⓒ
Q1501	G-6	Ⓕ
Q1502	D-3	Ⓒ
Q1502	D-3	Ⓕ
Q1503	E-7	Ⓒ
Q1503	E-7	Ⓕ
Q1504	E-6	Ⓒ
Q1504	E-6	Ⓕ
Q1505	E-7	Ⓒ
Q1505	E-7	Ⓕ
Q2001	F-3	Ⓒ
Q2302	H-2	Ⓕ
Q2303	G-4	Ⓕ
Q2304	G-4	Ⓒ
Q2305	H-4	Ⓕ
Q2703	D-5	Ⓒ
Q2704	D-5	Ⓒ
Q2704	D-5	Ⓕ
Q2705	D-5	Ⓕ
Q2706	D-5	Ⓕ
Q2707	B-5	Ⓒ
Q2709	D-4	Ⓒ
Q2709	D-4	Ⓕ
Q2710	C-4	Ⓒ
Q2710	C-4	Ⓕ
Q2711	A-6	Ⓒ
Q2711	A-6	Ⓕ
Q2713	D-4	Ⓒ
Q2714	C-5	Ⓒ
Q2715	D-4	Ⓕ
Q2716	C-4	Ⓕ
Q60001	C-1	Ⓒ
Q60001	C-1	Ⓕ
Q60002	C-2	Ⓒ
Q60003	C-2	Ⓒ
Q60003	C-2	Ⓕ
Q60004	C-2	Ⓕ
Q60005	C-2	Ⓒ
Q60005	C-2	Ⓕ
Q60006	C-2	Ⓕ
Q60007	B-1	Ⓕ
Q60008	D-7	Ⓒ
Q60008	D-7	Ⓕ
Q60501	B-3	Ⓒ
Q60502	B-3	Ⓒ
Q60503	B-3	Ⓕ
Q60504	C-4	Ⓒ
Q60504	C-4	Ⓕ
Q60505	B-4	Ⓕ
Q60506	B-3	Ⓒ
Q60506	B-3	Ⓕ
Q60507	B-4	Ⓕ
Q60508	B-4	Ⓒ
Q60508	B-4	Ⓕ
Q60509	C-3	Ⓒ

Transistor & Resistor		
QR1501	G-7	Ⓒ
QR1502	H-7	Ⓒ
QR1503	H-7	Ⓕ
QR1541	D-7	Ⓕ
QR2003	E-2	Ⓕ
QR2005	E-1	Ⓕ
QR2304	G-3	Ⓕ
QR2305	G-3	Ⓕ
QR2306	H-3	Ⓕ
QR2308	H-3	Ⓕ
QR2309	H-2	Ⓕ
QR2310	G-3	Ⓕ
QR2311	G-2	Ⓕ
QR2312	H-2	Ⓕ
QR2313	H-4	Ⓕ
QR2314	G-2	Ⓕ
QR2401	E-4	Ⓕ
QR2402	F-4	Ⓕ
QR2501	C-2	Ⓕ
QR2502	C-2	Ⓕ
QR2503	C-2	Ⓕ
QR2504	D-2	Ⓕ
QR2505	D-1	Ⓕ
QR2701	B-6	Ⓕ
QR2702	D-5	Ⓒ
QR2703	C-5	Ⓕ
QR2704	B-5	Ⓕ
QR60001	C-1	Ⓒ
QR60002	C-1	Ⓒ
QR60003	C-1	Ⓒ
QR60004	C-2	Ⓕ
QR60006	A-6	Ⓕ
QR60007	B-2	Ⓕ
QR60008	B-1	Ⓕ
QR60010	A-3	Ⓕ
QR60012	A-6	Ⓕ
QR60013	B-2	Ⓕ
QR60501	B-4	Ⓒ
QR60502	B-4	Ⓕ
QR60503	B-4	Ⓕ

Integrated Circuit		
IC1501	H-6	Ⓒ
IC1502	F-6	Ⓒ
IC1502	F-6	Ⓕ
IC1503	G-7	Ⓒ
IC1503	G-7	Ⓕ
IC1505	F-7	Ⓒ
IC1505	F-7	Ⓕ
IC1506	G-6	Ⓒ
IC1506	G-6	Ⓕ
IC2001	G-2	Ⓒ
IC2002	F-3	Ⓕ
IC2003	E-1	Ⓒ
IC2004	E-2	Ⓒ
IC2005	E-2	Ⓒ
IC2006	F-2	Ⓒ
IC2007	F-1	Ⓒ
IC2008	F-1	Ⓒ
IC2009	F-2	Ⓒ
IC2010	E-1	Ⓒ
IC2012	E-2	Ⓒ
IC2013	G-1	Ⓒ
IC2014	E-1	Ⓕ
IC2016	F-2	Ⓕ
IC2201	F-5	Ⓒ
IC2202	F-4	Ⓒ
IC2203	F-4	Ⓒ
IC2206	F-4	Ⓕ
IC2207	F-4	Ⓒ
IC2302	G-4	Ⓒ
IC2303	G-3	Ⓒ
IC2304	G-3	Ⓒ
IC2305	H-3	Ⓒ
IC2310	H-5	Ⓕ
IC2311	H-4	Ⓒ
IC2312	H-2	Ⓒ
IC2401	G-4	Ⓒ
IC2402	G-4	Ⓕ
IC2403	F-4	Ⓕ
IC2404	G-4	Ⓕ
IC2405	G-4	Ⓕ
IC2406	F-4	Ⓒ
IC2406	G-4	Ⓕ
IC2501	D-1	Ⓒ
IC2502	D-1	Ⓒ
IC2503	D-3	Ⓒ
IC2505	D-2	Ⓒ
IC2506	D-3	Ⓒ
IC2507	D-1	Ⓕ
IC2701	B-5	Ⓒ
IC2701	B-5	Ⓕ
IC2703	D-6	Ⓒ
IC2703	C-6	Ⓕ
IC2704	B-6	Ⓒ
IC2704	B-6	Ⓕ
IC2705	B-4	Ⓕ
IC2706	A-4	Ⓕ
IC2707	F-3	Ⓒ
IC2708	F-3	Ⓒ
IC2709	F-3	Ⓒ
IC2710	F-3	Ⓒ
IC2711	E-3	Ⓒ
IC2715	C-6	Ⓒ
IC2715	C-6	Ⓕ
IC60001	A-3	Ⓕ
IC60002	B-1	Ⓒ
IC60003	B-2	Ⓒ
IC60007	A-7	Ⓕ
IC60101	C-3	Ⓕ
IC60501	A-3	Ⓒ
IC60502	B-3	Ⓒ
IC60502	B-3	Ⓕ
IC60503	C-4	Ⓕ

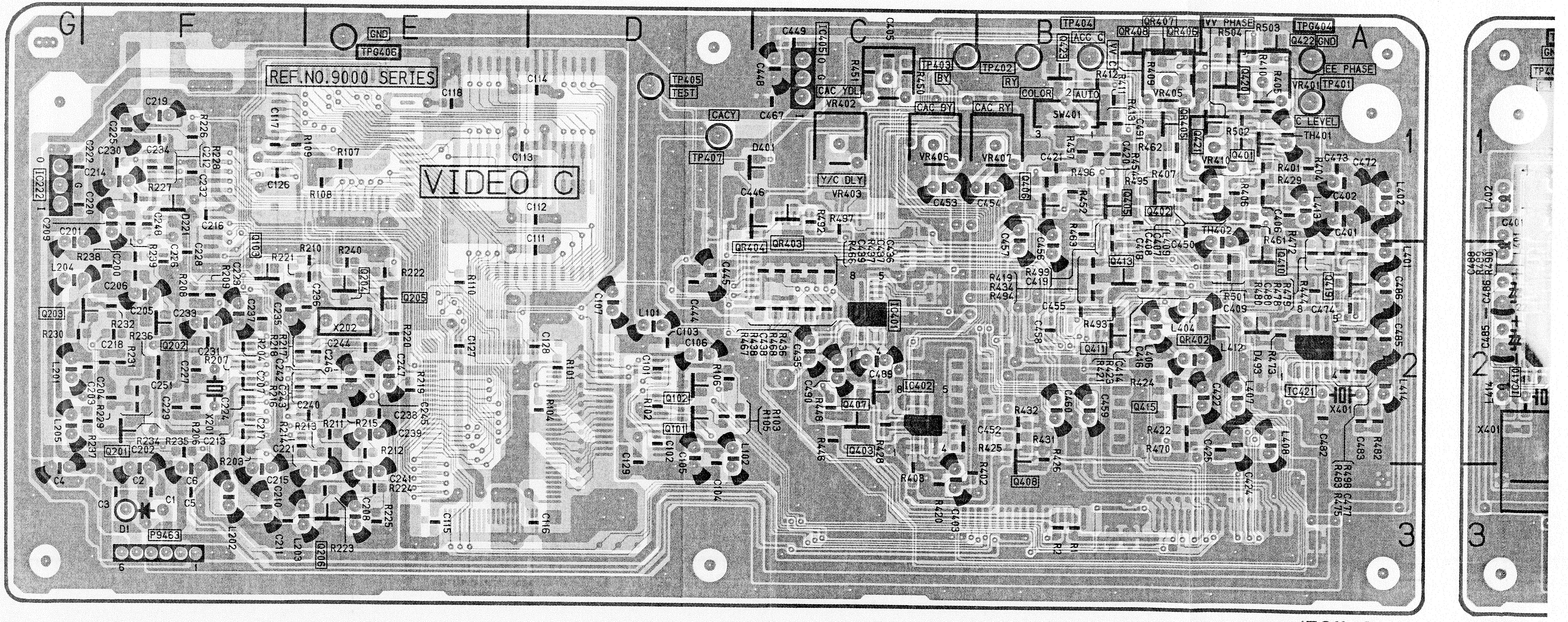
Test Point		
TP1501	H-7	Ⓒ
TP1501	H-7	Ⓕ
TP1503	H-7	Ⓒ
TP1503	H-7	Ⓕ
TP1504	H-7	Ⓒ
TP1504	H-7	Ⓕ
TP2001	H-7	Ⓒ
TP2001	H-7	Ⓕ
TP2008	E-2	Ⓒ
TP2008	E-2	Ⓕ
TP2301	H-6	Ⓒ
TP2301	H-6	Ⓕ
TP2502	H-7	Ⓒ
TP2502	H-7	Ⓕ

Adjustment		
VR2001	H-5	Ⓒ
VR2001	H-5	Ⓕ
VR2002	H-6	Ⓒ
VR2002	H-6	Ⓕ
VR2003	H-6	Ⓒ
VR2003	H-6	Ⓕ
VR2701	H-6	Ⓒ
VR2701	H-6	Ⓕ

Connector		
P1501	F-7	Ⓒ
P1501	F-7	Ⓕ
P1502	G-7	Ⓒ
P1502	G-7	Ⓕ
P1503	E-7	Ⓒ
P1503	E-7	Ⓕ
P1504	D-7	Ⓒ
P1504	D-7	Ⓕ
P2201	A-2	Ⓒ
P2201	A-2	Ⓕ
P2202	A-4	Ⓒ
P2202	A-3	Ⓕ
P2203	A-6	Ⓒ
P2203	A-6	Ⓕ
P2301	H-3	Ⓒ
P2301	H-3	Ⓕ
P2701	C-7	Ⓒ
P2701	C-7	Ⓕ
P2702	B-7	Ⓒ
P2702	B-7	Ⓕ
P2703	B-2	Ⓒ
P2703	B-2	Ⓕ
P60001	D-7	Ⓒ
P60001	D-7	Ⓕ
P60003	A-2	Ⓒ
P60003	A-2	Ⓕ
P60501	A-4	Ⓒ
P60501	A-3	Ⓕ
P60502	B-7	Ⓒ
P60502	B-7	Ⓕ
P60503	C-7	Ⓒ
P60503	C-7	Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

VIDEO C C.B.A. (E13)


G
F
E
D
C
B
A
1
2
3
REF.NO.9000 SERIES
VIDEO C
GND
TPG406
TP405
TEST
CACY
TP407
IC405
C449
C448
C467
CAC YDL
VR402
Y/C DLY
VR403
TP403
BY
TP402
RY
CAC BY
VR406
CAC RY
VR407
COLOR
SW401
AUTO
ACC C
TP404
VV
Q423
QR408
QR407
QR406
VV PHASE
R503
R504
TPG404
Q422
EE PHASE
VR401
TP401
C LEVEL
TH401
VR405
VR410
Q401
Q402
Q413
TH402
IC401
IC402
IC421
Q407
Q403
Q408
Q411
Q415
QR402
QR403
QR404
X401
X202
IC222
Q203
Q201
Q202
Q204
Q205
Q206
Q102
Q101
Q103
D1
D401
D493
P9463
L101
L102
L201
L202
L203
L204
L205
L401
L402
L404
L407
L408
L412
L413
L414

(FOIL SIDE)

VIDEO C C.B.A.

Transistor

Q9101	D-2	Ⓕ
Q9102	D-2	Ⓕ
Q9103	F-2	Ⓕ
Q9201	F-2	Ⓕ
Q9202	F-2	Ⓕ
Q9203	G-2	Ⓕ
Q9204	E-2	Ⓕ
Q9205	E-2	Ⓕ
Q9206	E-3	Ⓕ
Q9401	A-1	Ⓕ
Q9402	B-1	Ⓕ
Q9403	C-2	Ⓕ
Q9404	C-2	Ⓒ
Q9405	B-1	Ⓕ
Q9406	B-1	Ⓕ
Q9407	C-2	Ⓕ
Q9408	B-3	Ⓕ
Q9410	A-2	Ⓕ
Q9411	B-2	Ⓕ
Q9413	B-2	Ⓕ
Q9415	B-2	Ⓕ
Q9416	A-2	Ⓒ
Q9418	A-1	Ⓒ
Q9419	A-2	Ⓕ
Q9420	A-1	Ⓕ
Q9421	A-1	Ⓕ
Q9422	A-1	Ⓕ
Q9423	B-1	Ⓕ

Transistor & Resistor

QR9402	A-2	Ⓕ
QR9403	C-1	Ⓕ
QR9404	C-1	Ⓕ
QR9405	B-1	Ⓕ
QR9406	B-1	Ⓕ
QR9407	B-1	Ⓕ
QR9408	B-1	Ⓕ

Integrated Circuit

IC9101	D-2	Ⓒ
IC9102	D-1	Ⓒ
IC9103	E-2	Ⓒ
IC9104	D-2	Ⓒ
IC9105	E-1	Ⓒ
IC9201	F-1	Ⓒ
IC9202	F-2	Ⓒ
IC9204	F-2	Ⓒ
IC9222	G-1	Ⓒ
IC9222	G-1	Ⓕ
IC9401	C-2	Ⓕ
IC9402	C-2	Ⓕ
IC9403	C-2	Ⓒ
IC9404	B-2	Ⓒ
IC9405	C-1	Ⓒ
IC9405	C-1	Ⓕ
IC9409	B-2	Ⓒ
IC9410	A-2	Ⓒ
IC9421	A-2	Ⓕ

Test Point

TP9401	A-1	Ⓒ
TP9401	A-1	Ⓕ
TP9402	B-1	Ⓒ
TP9402	B-1	Ⓕ
TP9403	C-1	Ⓒ
TP9403	C-1	Ⓕ
TP9404	B-1	Ⓒ
TP9404	B-1	Ⓕ
TP9405	D-1	Ⓒ
TP9405	D-1	Ⓕ
TP9407	C-2	Ⓒ
TP9407	C-2	Ⓕ
TPG9404	A-1	Ⓒ
TPG9404	A-1	Ⓕ
TPG9406	F-1	Ⓒ
TPG9406	F-1	Ⓕ

Adjustment

VR9401	A-1	Ⓒ
VR9401	A-1	Ⓕ
VR9402	C-1	Ⓒ
VR9402	C-1	Ⓕ
VR9403	C-1	Ⓒ
VR9403	C-1	Ⓕ
VR9405	B-1	Ⓒ
VR9405	B-1	Ⓕ
VR9406	C-1	Ⓒ
VR9406	C-1	Ⓕ
VR9407	B-1	Ⓒ
VR9407	B-1	Ⓕ
VR9410	A-1	Ⓒ
VR9410	A-1	Ⓕ

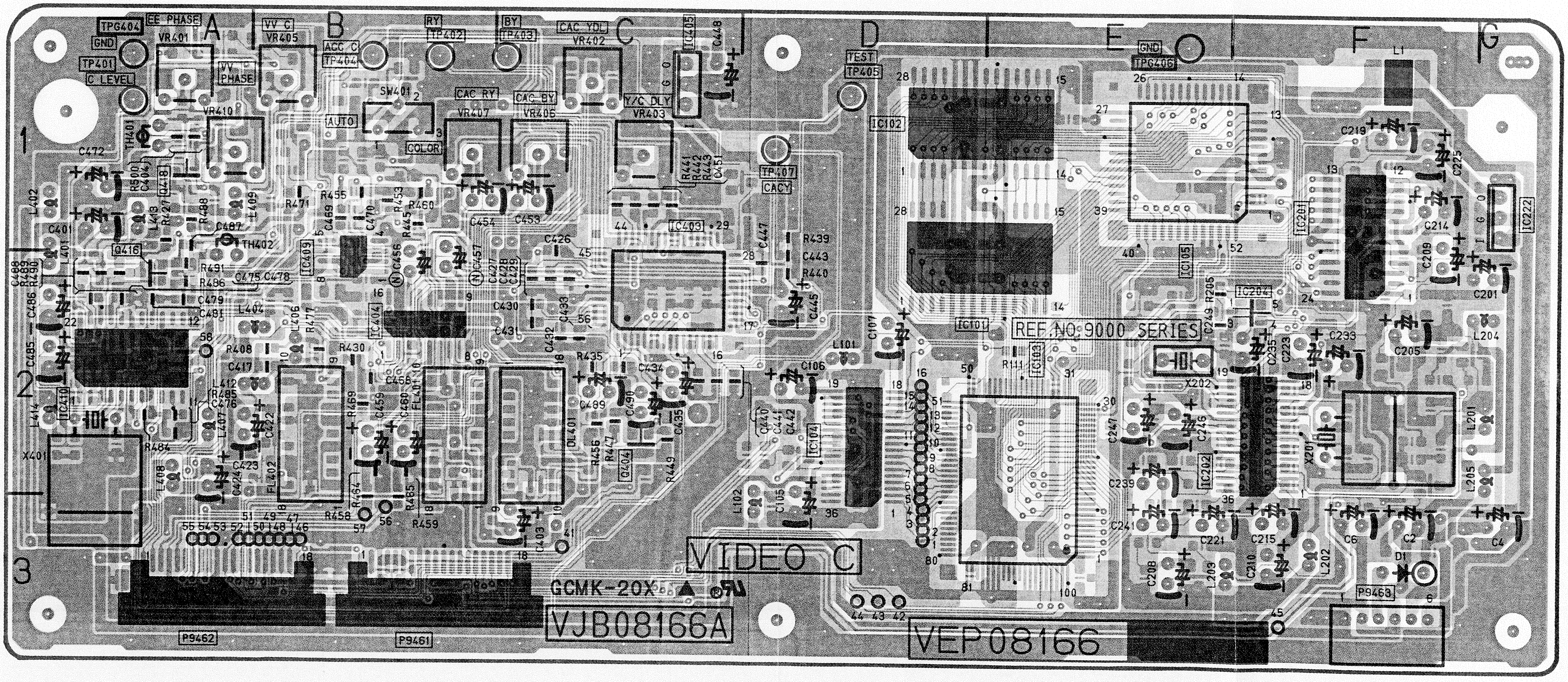
Connector

P9461	B-3	Ⓒ
P9462	A-3	Ⓒ
P9463	F-3	Ⓒ
P9463	F-3	Ⓕ

ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

ASE
1
2
3
L402
L401
C486
C485
L414
R482

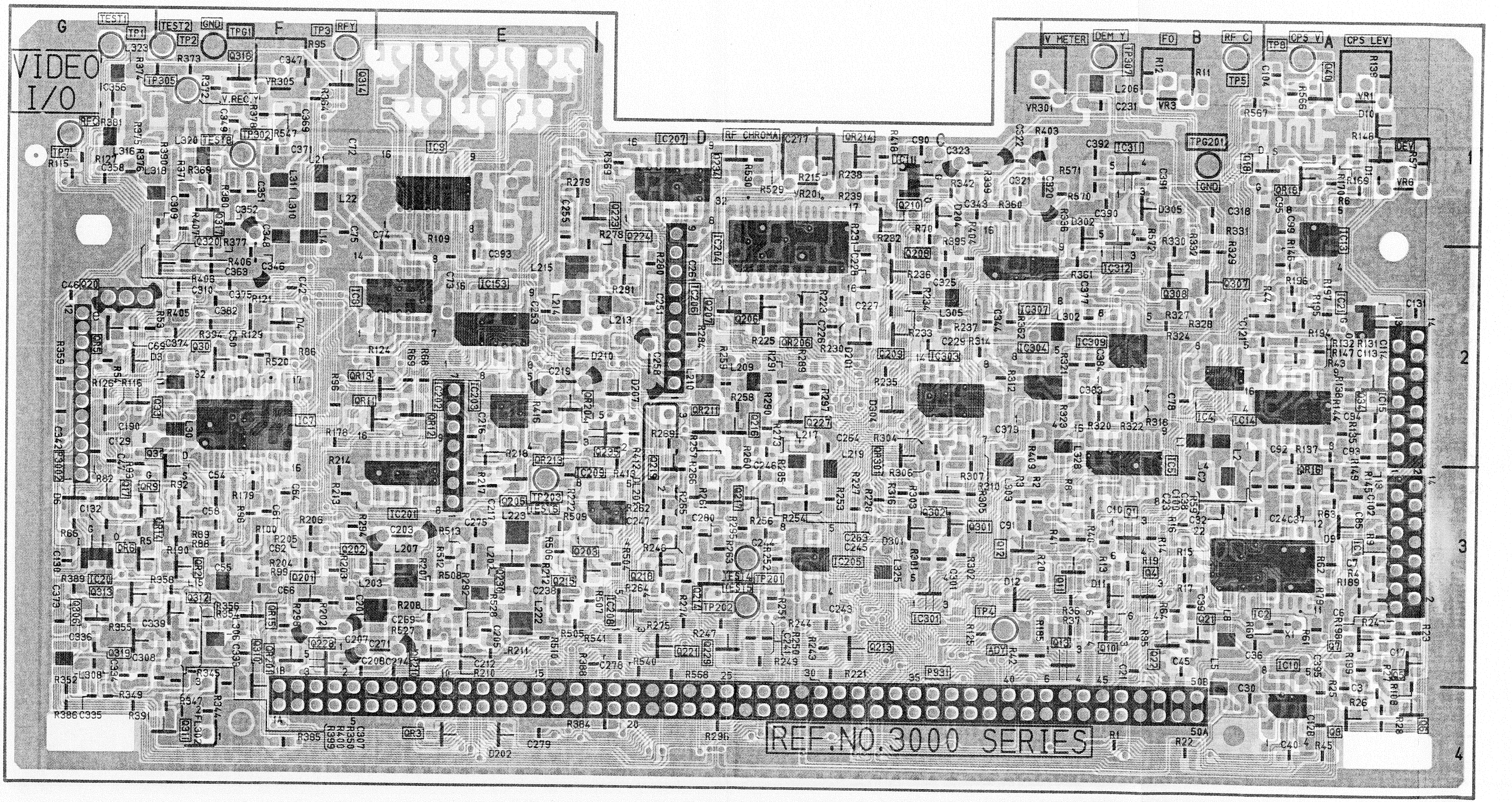
SIDE)



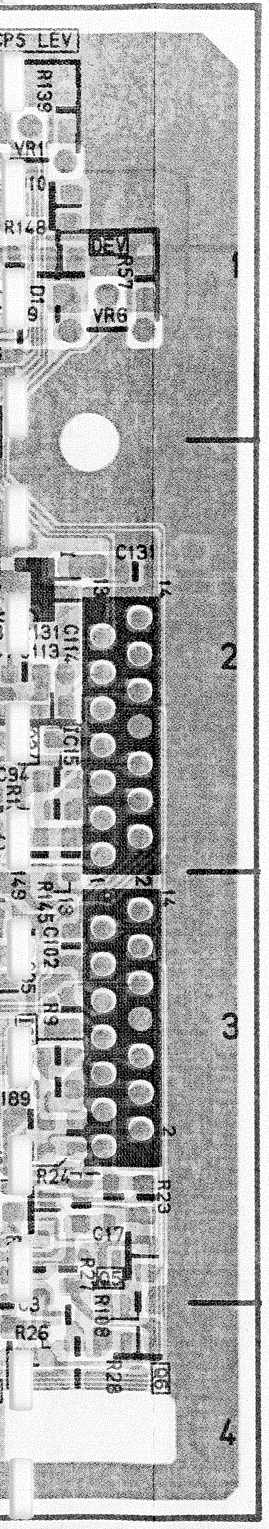
A
B
C
D
E
F
G
1
2
3
TPG404
EE PHASE
GND
VR401
TP401
C LEVEL
VV C
VR405
VV PHASE
ACC C
TP404
RY
TP402
BY
TP403
CAC YDL
VR402
IC405
SW401
AUTO
COLOR
CAC RY
VR407
CAC BY
VR406
Y/C DLY
VR403
TP407
CACY
TEST
TP405
IC403
IC409
IC404
IC410
X401
IC102
IC101
IC103
IC104
IC105
IC201
IC202
IC204
IC222
GND
TPG406
REF.NO.9000 SERIES
X201
X202
L1
D1
VIDEO C
GCMK-20X
VJB08166A
VEP08166
P9462
P9461
P9463

(COMPONENT SIDE)

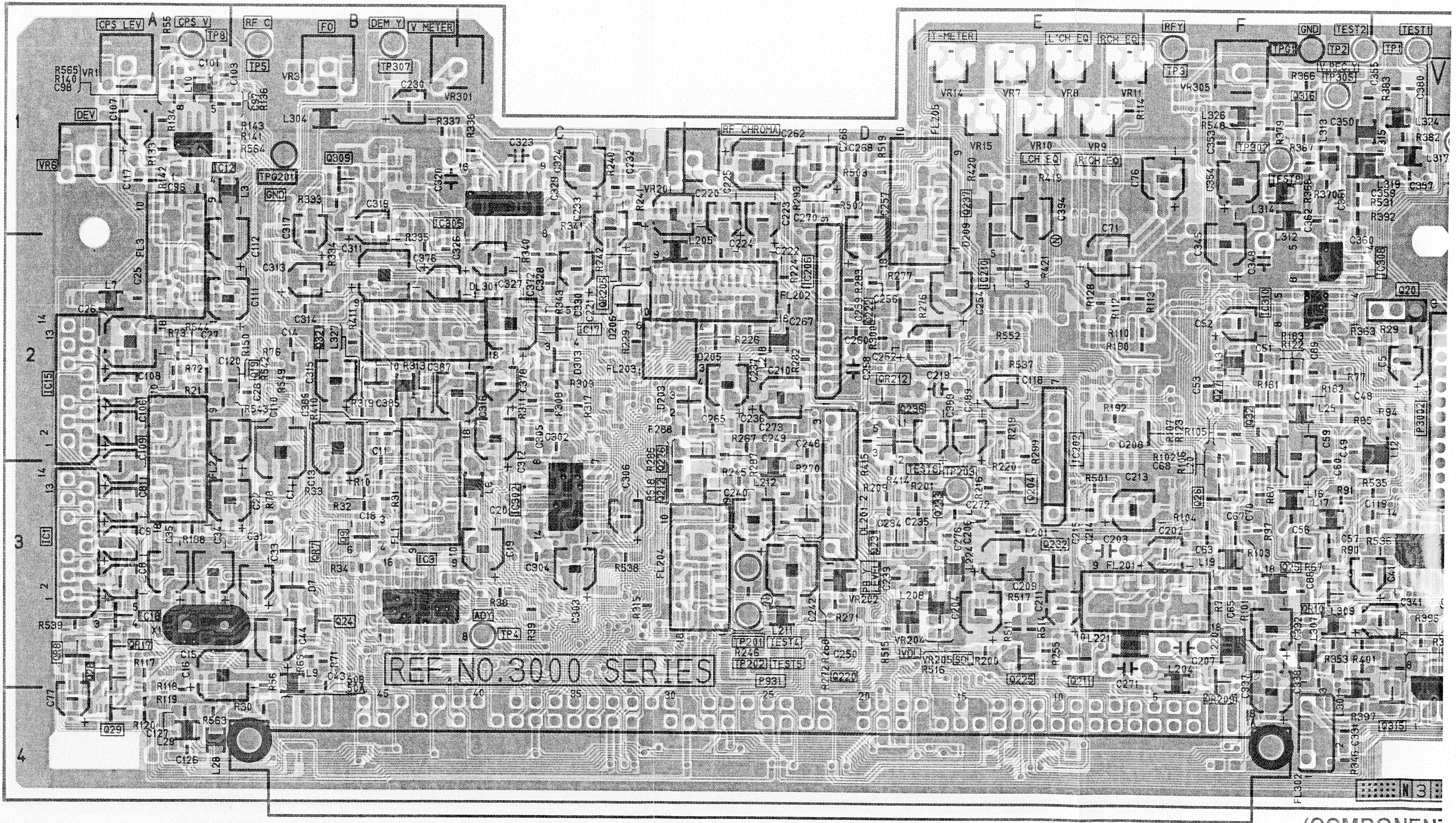
VIDEO I/O C.B.A. (E5)


VIDEO I/O
G
F
E
D
C
B
A
1
2
3
4
TEST1
TP1
TEST2
TP2
GND
TPG1
TP3
RFY
TP305
V.REC.Y
TP302
TEST8
RFO
TP7
V METER
DEM Y
TP307
FO
RF C
TP5
TP8
CPS V
CPS LEV
RF CHROMA
TPG201
GND
DEV
TP203
TEST6
TEST4
TP201
TEST5
TP202
TP4
ADJ
P931
IC9
IC7
IC8
IC153
IC201
IC202
IC203
IC204
IC205
IC206
IC207
IC208
IC209
IC301
IC303
IC304
IC307
IC309
IC311
IC312
IC4
IC5
IC13
IC14
IC15
IC21
IC10
IC20
IC356
VR301
VR305
VR201
VR1
VR3
VR6
1A
1B
25
20
30
35
40
45
50A
50B
REF.NO.3000 SERIES

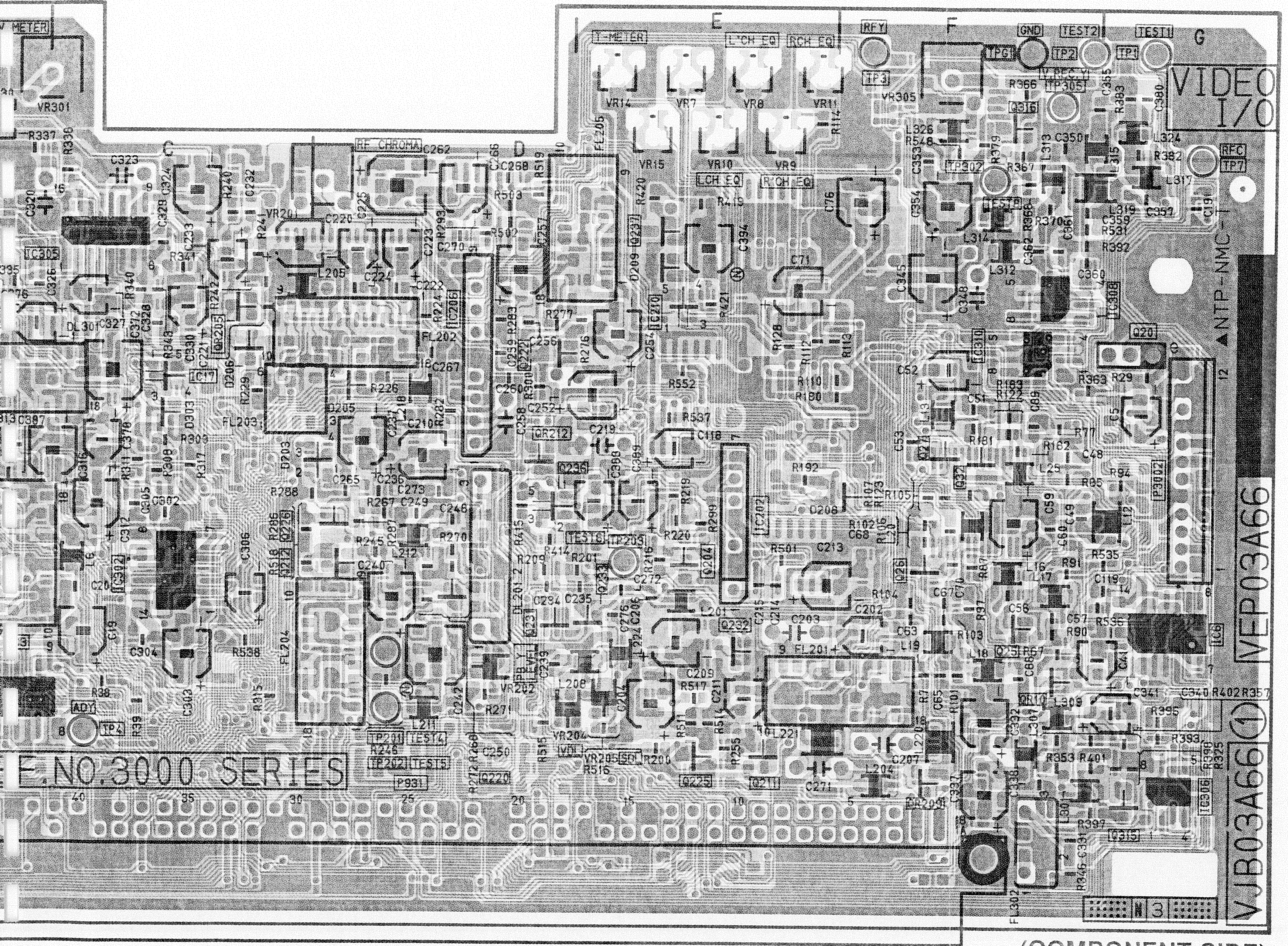
(FOIL SIDE)


CPS LEV
VR6
DEV
1
2
3
4

(FOIL SIDE)


A
B
C
D
E
F
CPS LEV
CPS V
RF C
FO
DEM Y
V METER
T-METER
L'CH EQ
RCH EQ
RFY
GND
TEST2
TEST1
RF CHROMA
LCH EQ
R'CH EQ
REF. NO. 3000 SERIES
1
2
3
4

(COMPONEN



(COMPONENT SIDE)

VIDEO I/O C.B.A.

Part	Address	Side
Transistor		
Q3001	B-3	Ⓕ
Q3004	B-3	Ⓕ
Q3005	A-3	Ⓕ
Q3006	A-4	Ⓕ
Q3007	A-3	Ⓕ
Q3008	A-4	Ⓕ
Q3009	B-3	Ⓒ
Q3010	B-3	Ⓕ
Q3011	B-3	Ⓕ
Q3012	C-3	Ⓕ
Q3013	B-3	Ⓕ
Q3017	G-3	Ⓕ
Q3018	A-1	Ⓕ
Q3019	B-2	Ⓒ
Q3020	G-2	Ⓒ
Q3020	G-2	Ⓕ
Q3021	B-3	Ⓕ
Q3022	B-3	Ⓕ
Q3024	B-3	Ⓒ
Q3025	F-3	Ⓒ
Q3026	F-3	Ⓒ
Q3027	F-2	Ⓒ
Q3028	A-3	Ⓒ
Q3029	A-4	Ⓒ
Q3030	F-2	Ⓕ
Q3031	F-3	Ⓕ
Q3032	F-2	Ⓒ
Q3033	G-2	Ⓕ
Q3034	A-2	Ⓕ
Q3040	A-1	Ⓕ
Q3201	F-3	Ⓕ
Q3202	E-3	Ⓕ
Q3203	D-3	Ⓕ
Q3204	E-3	Ⓒ
Q3205	E-3	Ⓕ
Q3206	D-2	Ⓕ
Q3207	D-2	Ⓕ
Q3208	C-2	Ⓕ
Q3209	C-2	Ⓕ
Q3210	C-1	Ⓕ
Q3211	E-3	Ⓒ
Q3212	D-3	Ⓒ
Q3213	C-3	Ⓕ
Q3214	D-3	Ⓕ
Q3215	E-3	Ⓕ
Q3216	D-2	Ⓕ
Q3217	D-3	Ⓕ
Q3218	D-3	Ⓕ
Q3219	D-3	Ⓕ
Q3220	D-3	Ⓒ
Q3221	D-3	Ⓕ
Q3222	D-2	Ⓒ
Q3223	D-1	Ⓕ
Q3224	D-2	Ⓕ
Q3225	E-3	Ⓒ
Q3226	D-2	Ⓒ
Q3227	D-2	Ⓕ
Q3228	F-3	Ⓕ
Q3229	D-3	Ⓕ
Q3230	E-3	Ⓕ
Q3231	D-3	Ⓒ
Q3232	E-3	Ⓒ
Q3233	E-3	Ⓒ
Q3234	D-1	Ⓕ
Q3235	D-2	Ⓕ
Q3236	D-2	Ⓒ
Q3301	C-3	Ⓕ
Q3302	C-3	Ⓕ
Q3306	G-3	Ⓕ
Q3307	B-2	Ⓕ
Q3308	B-2	Ⓕ
Q3309	B-1	Ⓒ
Q3310	F-4	Ⓕ
Q3311	F-4	Ⓕ
Q3312	F-3	Ⓕ
Q3313	G-3	Ⓕ
Q3314	F-1	Ⓕ
Q3315	G-4	Ⓒ
Q3316	F-1	Ⓒ
Q3317	F-1	Ⓕ
Q3318	F-1	Ⓕ
Q3319	G-3	Ⓕ
Q3320	F-2	Ⓕ
Q3321	B-2	Ⓒ
Transistor & Resistor		
QR3002	F-3	Ⓕ
QR3003	E-4	Ⓕ
QR3005	G-2	Ⓕ
QR3006	G-3	Ⓕ
QR3007	B-3	Ⓒ
QR3008	A-3	Ⓒ
QR3009	G-3	Ⓕ
QR3010	F-3	Ⓒ
QR3011	E-2	Ⓕ
QR3012	E-2	Ⓕ
QR3013	E-2	Ⓕ
QR3014	F-3	Ⓕ
QR3015	F-3	Ⓕ
QR3016	A-3	Ⓕ
QR3017	A-3	Ⓒ
QR3018	A-1	Ⓕ
QR3201	F-3	Ⓕ
QR3204	E-2	Ⓕ
QR3205	C-2	Ⓒ
QR3206	D-2	Ⓕ
QR3209	F-3	Ⓒ
QR3210	E-3	Ⓕ
QR3211	D-2	Ⓕ
QR3212	D-2	Ⓒ
QR3213	E-2	Ⓕ
QR3214	C-1	Ⓕ
QR3301	C-2	Ⓕ
Integrated Circuit		
IC3001	A-3	Ⓒ
IC3001	A-3	Ⓕ
IC3002	A-3	Ⓕ
IC3003	B-3	Ⓒ
IC3004	B-2	Ⓕ
IC3005	B-2	Ⓕ
IC3006	G-3	Ⓒ
IC3007	F-2	Ⓕ
IC3008	E-2	Ⓕ
IC3009	E-1	Ⓕ
IC3010	A-4	Ⓕ
IC3011	C-1	Ⓕ
IC3012	A-1	Ⓒ
IC3013	A-1	Ⓕ
IC3014	A-2	Ⓕ
IC3015	A-2	Ⓒ
IC3015	A-2	Ⓕ
IC3017	C-2	Ⓒ
IC3018	A-3	Ⓒ
IC3020	G-3	Ⓕ
IC3021	A-2	Ⓕ
IC3153	E-2	Ⓕ
IC3201	E-3	Ⓕ
IC3202	E-2	Ⓒ
IC3202	E-2	Ⓕ
IC3203	E-2	Ⓕ
IC3204	D-2	Ⓕ
IC3205	C-3	Ⓕ
IC3206	D-2	Ⓒ
IC3206	D-2	Ⓕ
IC3207	D-1	Ⓕ
IC3208	D-3	Ⓕ
IC3209	D-3	Ⓕ
IC3301	C-3	Ⓕ
IC3302	C-3	Ⓒ
IC3303	C-2	Ⓕ
IC3304	B-2	Ⓕ
IC3305	C-1	Ⓒ
IC3306	G-3	Ⓒ
IC3307	B-2	Ⓕ
IC3308	F-2	Ⓒ
IC3309	B-2	Ⓕ
IC3310	F-2	Ⓒ
IC3311	B-1	Ⓕ
IC3312	B-2	Ⓕ
Test Point		
TP3001	G-1	Ⓒ
TP3001	G-1	Ⓕ
TP3002	F-1	Ⓒ
TP3002	F-1	Ⓕ
TP3003	F-1	Ⓒ
TP3003	F-1	Ⓕ
TP3004	C-3	Ⓒ
TP3004	C-3	Ⓕ
TP3005	B-1	Ⓒ
TP3005	B-1	Ⓕ
TP3007	G-1	Ⓒ
TP3007	G-1	Ⓕ
TP3008	A-1	Ⓒ
TP3008	A-1	Ⓕ
TP3201	D-3	Ⓒ
TP3201	D-3	Ⓕ
TP3202	D-3	Ⓒ
TP3202	D-3	Ⓕ
TP3203	E-3	Ⓒ
TP3203	E-3	Ⓕ
TP3302	F-1	Ⓒ
TP3302	F-1	Ⓕ
TP3305	F-1	Ⓒ
TP3305	F-1	Ⓕ
TP3307	B-1	Ⓒ
TP3307	B-1	Ⓕ
TPG3001	F-1	Ⓒ
TPG3001	F-1	Ⓕ
TPG3201	C-1	Ⓒ
TPG3201	C-1	Ⓕ
Adjustment		
VR3001	A-1	Ⓒ
VR3001	A-1	Ⓕ
VR3003	B-1	Ⓒ
VR3003	B-1	Ⓕ
VR3006	A-1	Ⓒ
VR3006	A-1	Ⓕ
VR3007	E-1	Ⓒ
VR3008	E-1	Ⓒ
VR3009	E-1	Ⓒ
VR3010	E-1	Ⓒ
VR3011	E-1	Ⓒ
VR3014	E-1	Ⓒ
VR3015	E-1	Ⓒ
VR3201	C-1	Ⓒ
VR3201	D-1	Ⓕ
VR3202	D-3	Ⓒ
VR3204	D-3	Ⓒ
VR3205	E-3	Ⓒ
VR3301	B-1	Ⓒ
VR3301	B-1	Ⓕ
VR3305	F-1	Ⓒ
VR3305	F-1	Ⓕ
Connector		
P3002	G-2	Ⓒ
P3002	G-2	Ⓕ
P3931	D-3	Ⓒ
P3931	C-4	Ⓕ

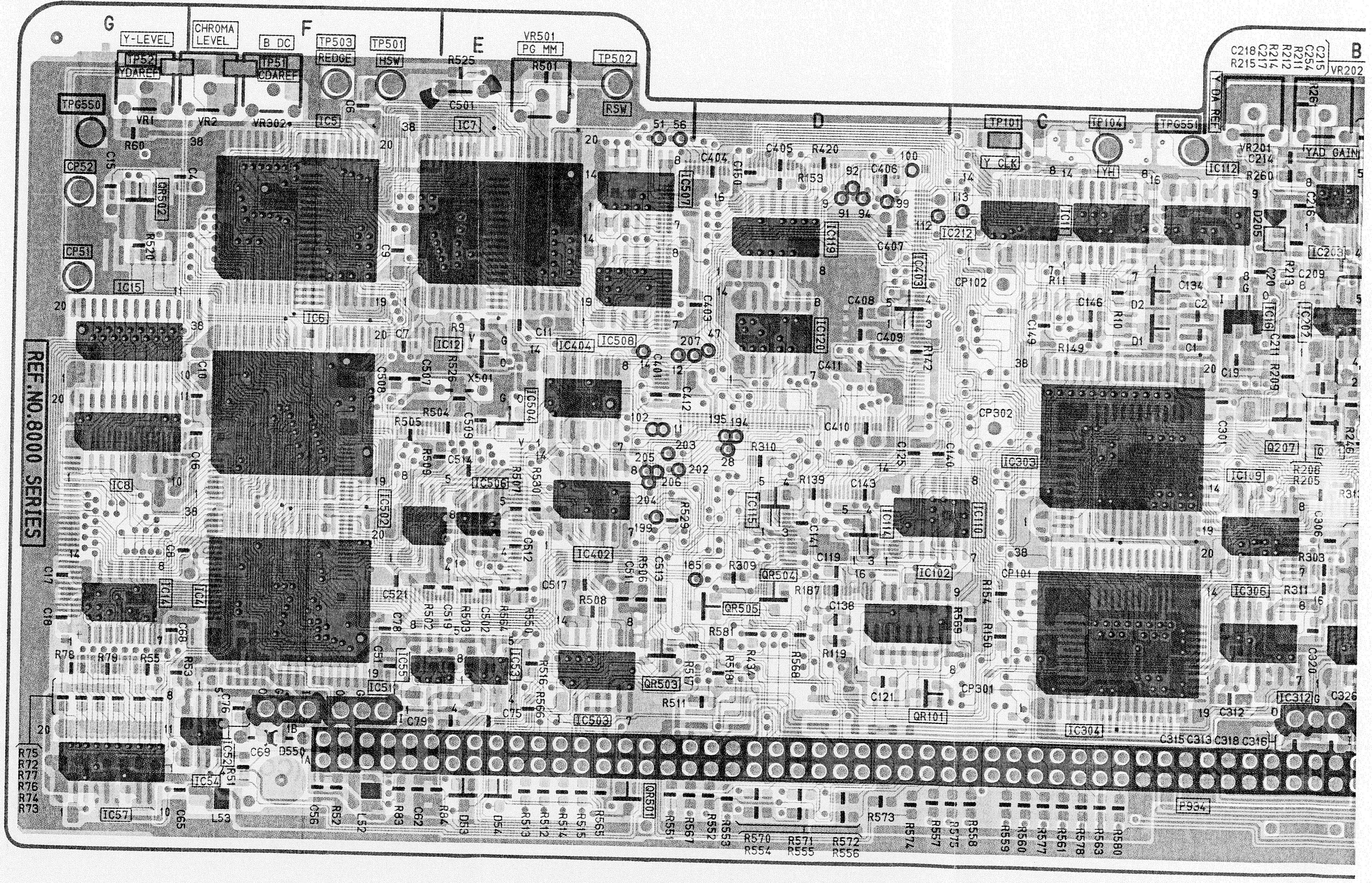
ADDRESS INFORMATION
Ⓒ...COMPONENT SIDE
Ⓕ...FOIL SIDE

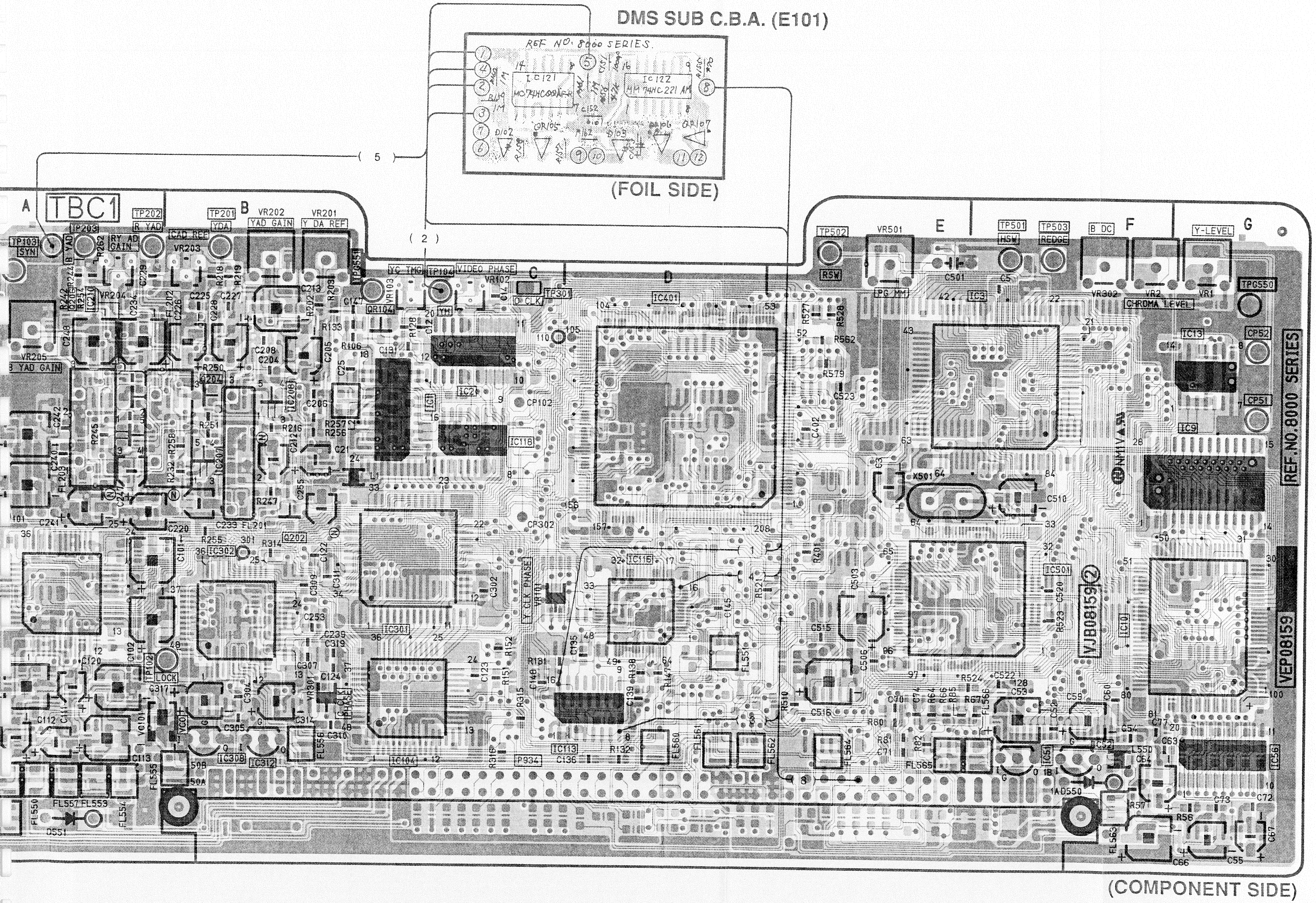
TBC (1) C.B.A. (E11) AND DMS SUB C.B.A. (E101)

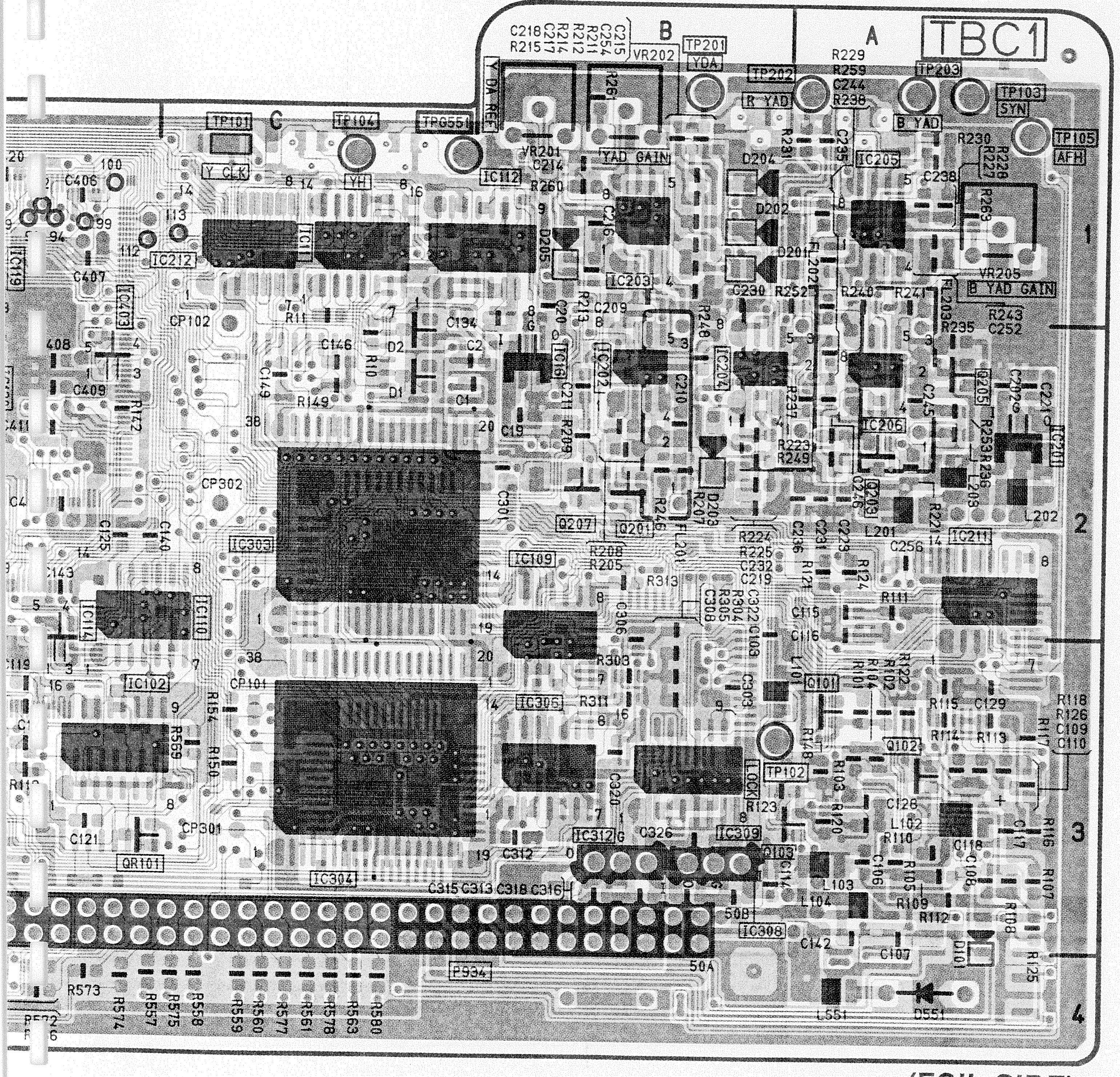
TBC (1) C.B.A.		
Transistor		
Q8101	A-3	Ⓕ
Q8102	A-3	Ⓕ
Q8103	A-3	Ⓕ
Q8201	B-2	Ⓕ
Q8202	B-2	Ⓒ
Q8203	A-2	Ⓕ
Q8204	B-1	Ⓒ
Q8205	A-2	Ⓕ
Q8206	A-1	Ⓒ
Q8207	B-2	Ⓕ
Transistor & Resistor		
QR8101	D-3	Ⓕ
QR8104	C-1	Ⓒ
QR8501	E-4	Ⓕ
QR8502	F-1	Ⓕ
QR8503	E-3	Ⓕ
QR8504	D-3	Ⓕ
QR8505	D-3	Ⓕ
Integrated Circuit		
IC8001	C-2	Ⓒ
IC8002	C-1	Ⓒ
IC8003	E-1	Ⓒ
IC8004	F-3	Ⓕ
IC8005	F-1	Ⓕ
IC8006	F-2	Ⓕ
IC8007	E-1	Ⓕ
IC8008	G-2	Ⓕ
IC8009	G-2	Ⓒ
IC8010	G-2	Ⓒ
IC8011	C-1	Ⓕ
IC8012	E-2	Ⓕ
IC8013	F-1	Ⓒ
IC8014	G-3	Ⓕ
IC8015	G-2	Ⓕ
IC8016	B-2	Ⓕ
IC8051	F-3	Ⓒ
IC8051	F-3	Ⓕ
IC8052	F-3	Ⓒ
IC8052	F-3	Ⓕ
IC8053	E-3	Ⓕ
IC8054	F-3	Ⓕ
IC8055	E-3	Ⓕ
IC8056	G-3	Ⓒ
IC8057	G-4	Ⓕ
IC8101	A-2	Ⓒ
IC8102	D-3	Ⓕ
IC8104	C-3	Ⓒ
IC8109	B-2	Ⓕ
IC8110	C-2	Ⓕ
IC8112	C-1	Ⓕ
IC8113	D-3	Ⓒ
IC8114	D-3	Ⓕ
IC8115	D-2	Ⓕ
IC8116	D-3	Ⓒ
IC8118	C-2	Ⓒ
IC8119	D-1	Ⓕ
IC8120	D-2	Ⓕ
IC8201	A-2	Ⓕ
IC8202	B-2	Ⓕ
IC8203	B-1	Ⓕ
IC8204	B-2	Ⓕ
IC8205	A-1	Ⓕ
IC8206	A-2	Ⓕ
IC8207	B-2	Ⓒ
IC8208	B-1	Ⓒ
IC8210	A-1	Ⓒ
IC8211	A-2	Ⓕ
IC8212	C-1	Ⓕ
IC8301	C-2	Ⓒ
IC8302	B-2	Ⓒ
IC8303	C-2	Ⓕ
IC8304	C-3	Ⓕ
IC8306	B-3	Ⓕ
IC8308	B-3	Ⓒ
IC8308	B-3	Ⓕ
IC8309	B-3	Ⓕ
IC8312	B-3	Ⓒ
IC8312	B-3	Ⓕ
IC8401	D-2	Ⓒ
IC8402	E-2	Ⓕ
IC8403	D-2	Ⓕ
IC8404	E-2	Ⓕ
IC8501	F-2	Ⓒ
IC8502	F-2	Ⓕ
IC8503	E-3	Ⓕ
IC8504	E-2	Ⓕ
IC8506	E-3	Ⓕ
IC8507	E-1	Ⓕ
IC8508	E-2	Ⓕ
Test Point		
TP8101	C-1	Ⓕ
TP8102	B-3	Ⓒ
TP8102	A-3	Ⓕ
TP8103	A-1	Ⓒ
TP8103	A-1	Ⓕ
TP8104	C-1	Ⓒ
TP8104	C-1	Ⓕ
TP8105	A-1	Ⓒ
TP8105	A-1	Ⓕ
TP8201	B-1	Ⓒ
TP8201	B-1	Ⓕ
TP8202	A-1	Ⓒ
TP8202	A-1	Ⓕ
TP8203	A-1	Ⓒ
TP8203	A-1	Ⓕ
TP8301	C-3	Ⓒ
TP8501	F-1	Ⓒ
TP8501	F-1	Ⓕ
TP8502	E-1	Ⓒ
TP8502	E-1	Ⓕ
TP8503	F-1	Ⓒ
TP8503	F-1	Ⓕ
TPG8550	G-1	Ⓒ
TPG8550	G-1	Ⓕ
TPG8551	B-3	Ⓒ
TPG8551	B-3	Ⓕ
Adjustment		
VC8101	A-3	Ⓒ
VR8001	G-1	Ⓒ
VR8001	G-1	Ⓕ
VR8002	F-1	Ⓒ
VR8002	F-1	Ⓕ
VR8101	C-3	Ⓒ
VR8102	C-1	Ⓒ
VR8103	C-1	Ⓒ
VR8201	B-1	Ⓒ
VR8201	B-1	Ⓕ
VR8202	B-1	Ⓒ
VR8202	B-1	Ⓕ
VR8203	B-1	Ⓒ
VR8204	A-1	Ⓒ
VR8205	A-1	Ⓒ
VR8205	A-1	Ⓕ
VR8301	B-3	Ⓒ
VR8302	F-1	Ⓒ
VR8302	F-1	Ⓕ
VR8501	E-1	Ⓒ
VR8501	E-1	Ⓕ
Connector		
P8934	C-3	Ⓒ
P8934	B-3	Ⓕ

ADDRESS INFORMATION
Ⓒ... COMPONENT SIDE
Ⓕ... FOIL SIDE

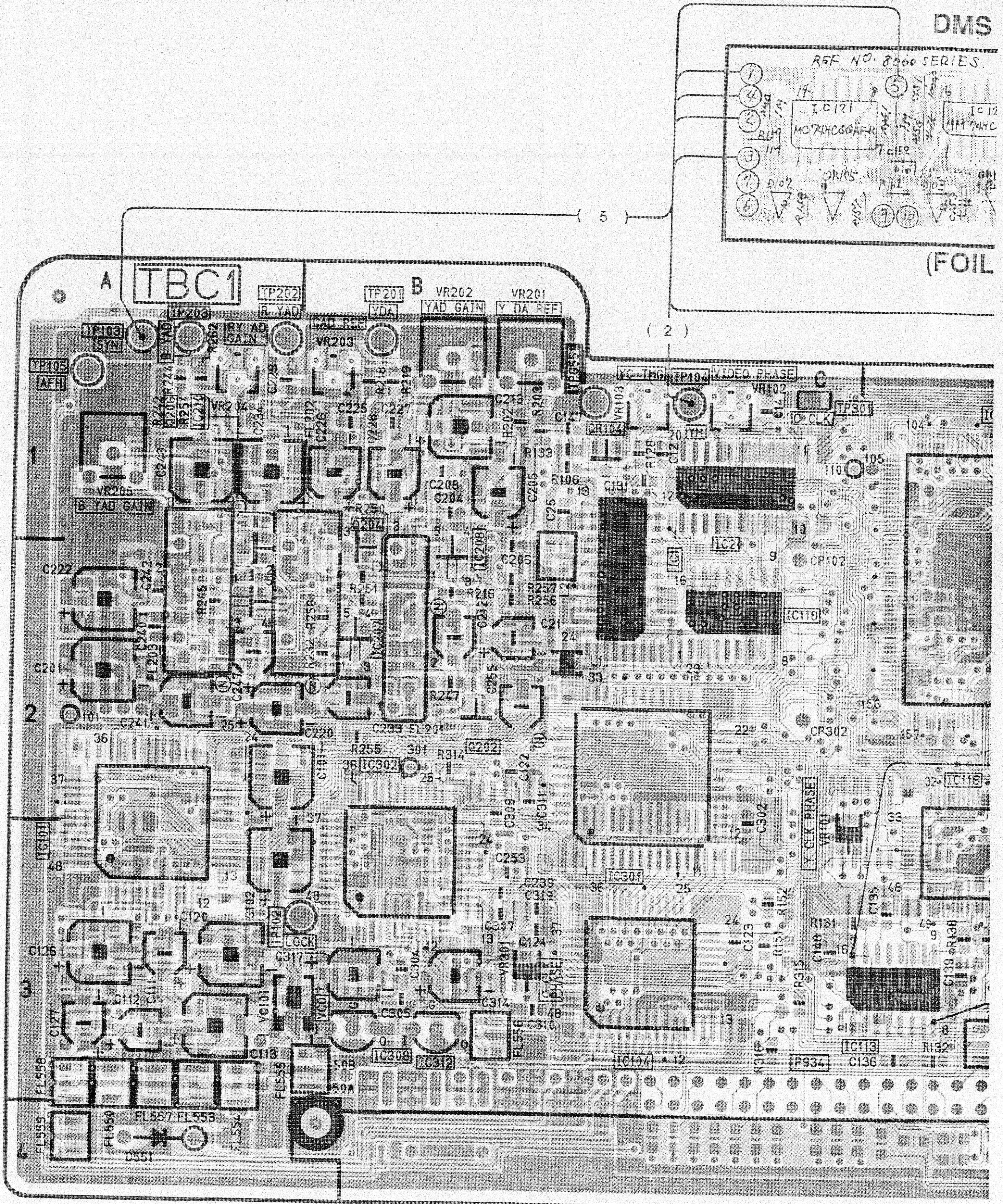
TBC (1) C.B.A. (E11)


G
F
E
D
C
B
Y-LEVEL
CHROMA LEVEL
B DC
TP503
REDGE
TP501
HSW
VR501
PG MM
TP502
RSW
TP52
YDAREF
TP51
CDAREF
TPG550
TPG551
TP101
TP104
Y DA REF
Y CLK
YH
YAD GAIN
VR201
VR202
CP51
CP52
REF.NO.8000 SERIES
P934


DMS SUB C.B.A. (E101)
REF NO. 8060 SERIES.
IC121
MC74HC00AFR
IC122
MM74HC221AM
(FOIL SIDE)
(5)
(2)
TBC1
A
B
C
D
E
F
G
TP103 SYN
TP203 B YAD
TP202 R YAD
RY AD GAIN
CAD REF
TP201 YDA
VR202 YAD GAIN
VR201 Y DA REF
VR203
VR204
VR205 B YAD GAIN
TPG551
YC TMG
TP104 YM
VIDEO PHASE
VR103
VR102
QR104
TP301
D CLK
IC401
IC2
IC1
IC116
CP102
CP302
IC301
IC302
Q202
Y CLK PHASE
VR101
IC115
IC104
IC113
IC308
IC312
P934
TP102 LOCK
VR301
C PHASE
TP502 RSW
VR501 PG MM
TP501 HSW
TP503 REDGE
B DC
Y-LEVEL
VR302
VR2 CHROMA LEVEL
VR1
TPG550
IC3
IC13
CP52
CP51
IC9
X501
IC501
IC10
VJB08159 ②
IC51
IC52
IC56
REF. NO. 8000 SERIES
VEP08159
FL550
FL557
FL553
FL554
FL555
D551
1AD550
FL563
(COMPONENT SIDE)


TBC1
A
B
C
1
2
3
4
TP101
TP104 YH
TPG551
Y DA REF
VR201
YAD GAIN
VR202
TP201 YDA
TP202 R YAD
TP203 B YAD
TP103 SYN
TP105 AFH
VR205 B YAD GAIN
Y CLK
TP102 LOCK
IC303
IC304
IC305
IC309
IC312
IC308
P934
L551
D551

(FOIL SIDE)


DMS
REF NO. 8060 SERIES.
IC121
MC74HC00AFR
(FOIL
(5)
(2)
TBC1
A
B
C
1
2
3
4
TP103 SYN
TP105 AFH
TP203 B YAD
RY AD GAIN
TP202 R YAD
CAD REF
VR203
TP201 YDA
VR202 YAD GAIN
VR201 Y DA REF
TPG551
YC TMG
TP104 YH
VIDEO PHASE
VR102
C CLK
TP301
VR205 B YAD GAIN
Y CLK PHASE
VR101
TP102 LOCK
VCO
VC101
PHASE
VR301
IC301
IC302
IC101
IC104
IC308
IC312
P934
FL558
FL559
FL550
FL557
FL553
FL554
FL555
D551

SECTION 5

EXPLODED VIEWS & REPLACEMENT PARTS LISTS

CONTENTS

SERVICING FIXTURES & TOOLS LIST ······ PRT-2
CHASSIS PARTS SECTION ······ PRT-3
MOVING PARTS SECTION ······ PRT-5
CASSETTE COMPARTMENT SECTION ······ PRT-6
CHASSIS & FRAME SECTION ······ PRT-8
CASING PARTS SECTION ······ PRT-9
PACKING PARTS SECTION ······ PRT-11
ELECTRICAL REPLACEMENT PARTS LIST ······ PRT-13

NOTES

1 . ● Be sure to make your orders of replacement parts according to this list.
   ● "<R>" in Remark column indicates recommended parts.
   ● "<M>" in Remark column indicates needed in the periodical maintenance.

2 . IMPORTANT SAFETY NOTICE
   Components indentified by "<!>" have special characteristics important for safety. When replacing any of these components, use only the original ones.
   Meaning of symbol "<!>" on this parts list is exactly the same as synbol ⚠ on Schematic and Circuit Board Diagrams.

3 . Unless otherwise specified;
   All resistors are in (Ω), K=1,000Ω, M=1,000kΩ.
   All capacitors are in (F), U=10 F, P=10 F.

4 . ITEM NUMBERS WITH CAPITAL LETER E
   Item numbers woth capital leter E (Example: E1, E2, ...) in Ref. no. column mean that the parts are listed with the E item numbers in the exploded views.

5 . The main assembled parts are shown below C.B.A. marked with "■".

6 . When ordering parts, use parts No. only form Part No. column.

7 . Printed circuit board assembly with mark (RTL) is no longer available after discontinuation of the product.

8 . Abbreviations for parts;

NAME	DESCRIPTION
C.CAPACITOR	CERAMIC CAPACITOR
C.CAPACITOR CH	CERAMIC CHIP CAPACITOR
E.CAPACITOR	ELECTROLYTIC CAPACITOR
G.CAPACITOR	GLASS CAPACITOR
M.CAPACITOR	MICA CAPACITOR
P.CAPACITOR	PLASTIC FILM CAPACITOR
S.CAPACITOR	SEMI-CONDUCTOR CAPACITOR
T.CAPACITOR	TANTALUM CAPACITOR
TRIMMER	TRIMMER
C.RESISTOR	CARBON RESISTOR
F.RESISTOR	FUSE RESISTOR
M.RESISTOR	METAL OXSIDE RESISTOR
M.RESISTOR CH	METAL OXSIDE CHIP RESISTOR
S.RESISTOR	SOLID RESISTOR
V.RESISTOR	VARIABLE RESISTOR
W.RESISTOR	WIRE WOUND RESISTOR
COMBI. TR-R	TRANSISTOR-RESISTOR COMBINATION PARTS
COMBI. R-R	RESISTOR-RESISTOR COMBINATION PARTS
COMBI. C-R-L	CAPACITOR-COIL COMBINATION PARTS
C.B.A.	CIRCUIT BOARD ASSEMBLY

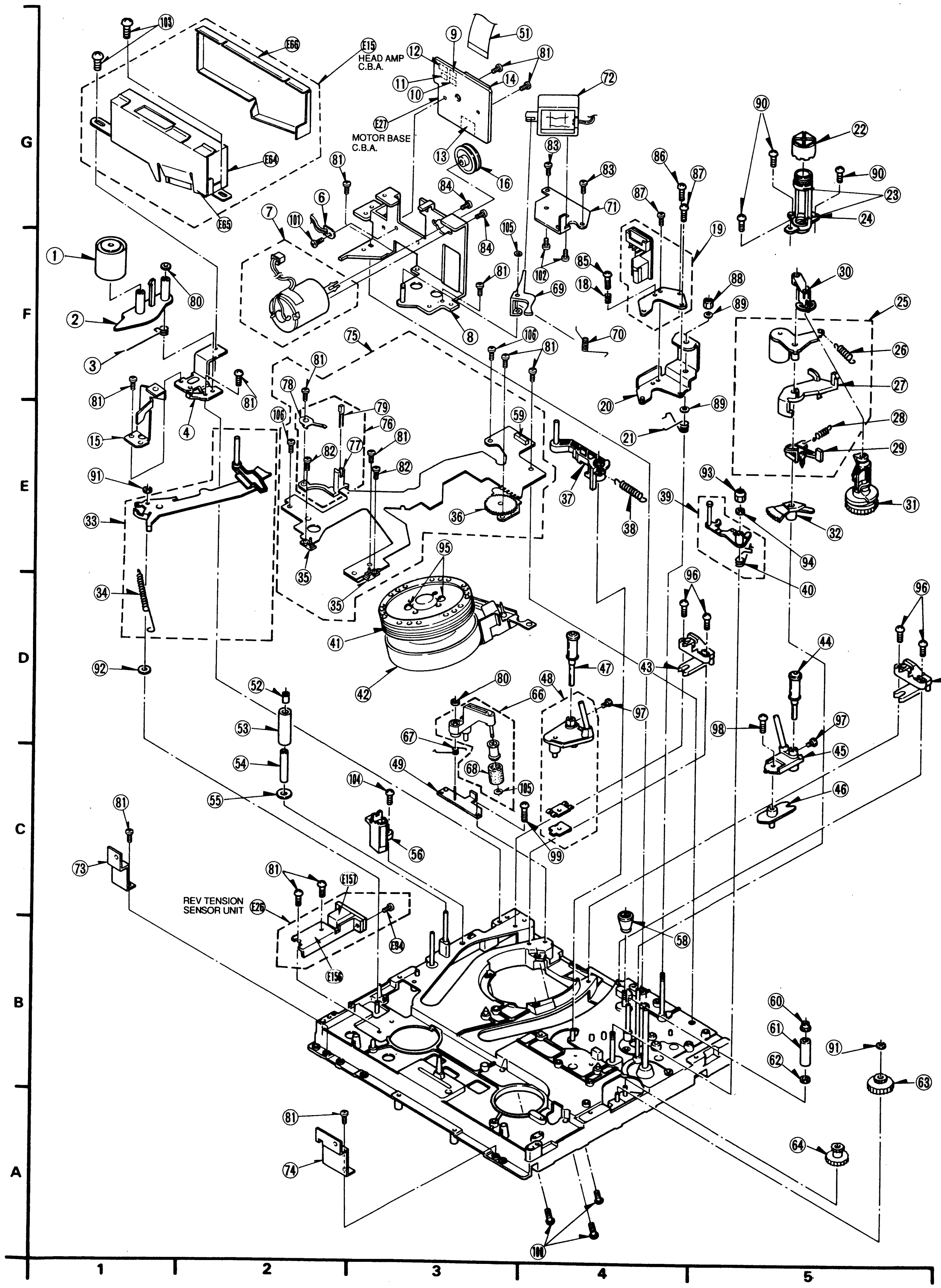
SERVICING FIXTURE & TOOLS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VFM8080HQFP	VHS ALIGNMENT TAPE	1	
	VFK0329	POST ADJ. SCREWDRIVER	1	
	VFK0132	BACK TENSION METER	1	(T2-H7-UM)
		(TENTELOMETER,		
		MADE IN U.S.A.)		
	VFK0191	POST ADJ. PLATE	1	
	VFK0133	DIAL TORQUE GAUGE	1	
	VFK0180	PLASTIC CLAMPER ONLY	1	
	VFK0134	ADAPTOR FOR VFK0133		
	VFK0190	REEL TABLE HEIGHT GAUGE	1	
	VFK0236	TENSION POST ADJ. FIXTURE	1	
	VFK0806	TENSION SENSOR ADJ. FIXTURE	1	
	VFK0328	H-POSITION ADJ. SCREWDRIVER	1	
	VFK0330	FINE ADJ. SCREWDRIVER	1	
		(3mm PHI)		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VFK0335	RETAINING RING REMOVER	1	
		(3mm/4mm)		
	VFK0326	HEX.WRENCH SET	1	
	VFK0948	CHECK LIGHT	1	
	MOR265	MOLYTONE GREASE	1	
	VFK0680	S.C.R. GREASE	1	
	VFK27	HEAD CLEANING STICK	1	
	VFK0344	POST HEIGHT ADJ. FIXTURE	1	
	VFK0269	L TYPE SCREWDRIVER	1	
	VFK66	FAN TYPE TENSION GAUGE	1	
	VFK0941	EXTENDER BOARD 100P	1	
	VFK0942	EXTENDER CODE 13P	1	
	VFK0685	EXTENDER CODE 40P	1	
	VFK0829	EXTENDER BOARD 64P	1	

EXPLODED VIEWS

❶ *Chassis Parts Section*

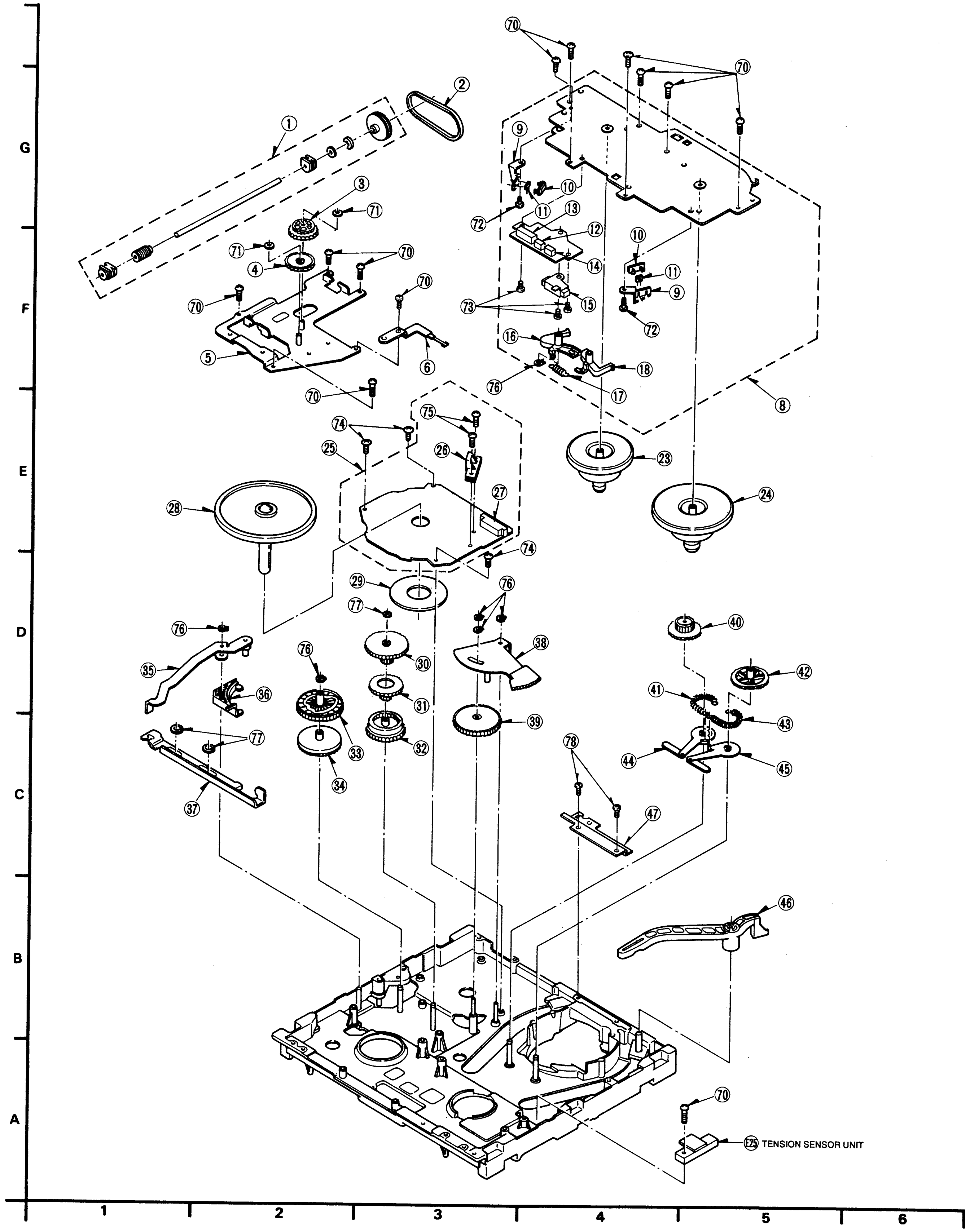


MECHANICAL REPLACEMENT PARTS LIST

1. Chassis Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1-1	VXP1075	IMPEDANCE ROLLER UNIT	1	
1-2	VML2293	IMPEDANCE ROLLER ARM	1	
1-3	VMB1976	IMPEDANCE SPRING	1	
1-4	VMA7982	HEAD AMP ANGLE (L)	1	
1-6	VEK3185	HUMIDITY RESISTOR UNIT	1	<R>
1-7	VEM0360	LOADING MOTOR UNIT	1	<M><R><!>
1-8	VXA5151	MOTOR BASE (1) UNIT	1	
1-9	VJP1229G	CONNECTOR (2P)	1	
1-10	VJP1229T	CONNECTOR (2P)	1	
1-11	VJP1229R	CONNECTOR (2P)	1	
1-12	VJP1230R	CONNECTOR (3P)	1	
1-13	VJP3106B013	CONNECTOR (13P)	1	
1-14	VJS1493	CONNECTOR (15P)	1	
1-15	VMA8130	IMPEDANCE ROLLER SUPPORT ANGLE	1	
1-16	VDP1319	MOTOR PULLEY	1	
1-18	VMB1251	ADJUST SPRING	1	
1-19	VED0145	A/C HEAD (1) UNIT	1	<M><R>
1-20	VXA3649	A/C HEAD BASE UNIT	1	
1-21	VMB1567	A/C HEIGHT SPRING	1	
1-22	VXQ0094	THRUST SCREW UNIT	1	
1-23	VMX1567	OIL SEAL	2	
1-24	VXD0120	HOUSING UNIT	1	
1-25	VXL2367	PRESSURE ROLLER UNIT	1	<M><R>
1-26	VMB1977	PINCH PRESSURE SPRING	1	
1-27	VXL2368	PINCH PRESSURE ARM	1	
1-28	VMB1569	PINCH ARM SPRING	1	
1-29	VML1874	PINCH LIFT ARM	1	
1-30	VMX1353	PINCH CAM ARM	1	
1-31	VDG0577	PINCH CAM	1	
1-32	VDG0651	PINCH SECTOR GEAR	1	
1-33	VXL2089	TENSION ARM UNIT	1	
1-34	VMB1975	TENSION SPRING	1	
1-35	VSP0293	CASSETTE DETECT SW	2	
1-36	VSS0257	MODE SWITCH	1	<M><R>
1-37	VXL1857	SUB LOADING ARM (1) UNIT	1	
1-38	VMB1566	SUB POST SPRING	1	
1-39	VXL2074	P5 ARM UNIT	1	
1-40	VMB1554	P5 SPRING	1	
1-41	VEH0645	UPPER CYLINDER UNIT	1	<M><R>
1-42	VEG1109	LOWER CYLINDER UNIT	1	<M><R>
1-43	VMD0910	POST STOPPER	2	
1-44	VXP1264	ROLLER POST (1) UNIT	1	
1-45	VXA3213	INCLINED BASE (T)(1) UNIT	1	
1-46	VXA2687	INCLINED ADJUSTMENT PLATE U	1	
1-47	VXP1263	ROLLER POST (S) UNIT	1	
1-48	VXA3249KIT	INCLINED BASE (S)	1	
1-49	VXA3980	HEAD CLEANING PLATE	1	
1-51	VWJ15AW280M0	FLEXIBLE CABLE	1	
1-52	VMX1088	SUPPLY UPPER LIMITER	1	
1-53	VDP1533	SUPPLY ROLLER	1	
1-54	VMX1581	P1 COLLAR	1	
1-55	VMX1533	SUPPLY LOWER LIMITER	1	
1-56	VBS0038	FE HEAD	1	
1-58	VHN0110	ADJUST NUT	1	
1-59	VJS2964A013	CONNECTOR (15P)	1	
1-60	VMX1544	P4 UPPER LIMITER	1	
1-61	VMX1568	P4 SLEEVE	1	
1-62	VMX1534	P4 LOWER LIMITER	1	
1-63	VDG0664	CONNECTION GEAR	1	
1-64	VDG0483	PINCH SPEED DOWN GEAR	1	
1-65	VES0489	SAFETY SWITCH	1	
1-66	VXL2263	HEAD CLEANING UNIT	1	<M><R>
1-67	VMB2532	CLEANING SPRING	1	
1-68	VMT0321	HEAD CLEANING PAD	1	
1-69	VML2845	CAM LEVER	1	
1-70	VMB2672	CAM LEVER SPRING	1	
1-71	VMA8977	SOLENOID BASE	1	
1-72	VSJ0111	PINCH SOLENOID	1	
1-73	VMA6895	MOUNT PLATE (L)	1	
1-74	VMA6896	MOUNT PLATE (R)	1	
1-75	VXA5308	BIND FLEXIBLE UNIT	1	
1-76	VXA3520	LED UNIT	1	
1-77	VMD0911	LED HOLDER	1	
1-78	VMB2020	EARTH SPRING	1	
1-79	GL450	LED	1	
1-80	VMX1079	CUT WASHER	2	
1-81	XTV26+6F	SCREW	14	
1-82	XTV2+4F	SCREW	2	
1-83	XYN26+K5	SCREW	2	
1-84	XSN3+3.5	SCREW	2	
1-85	VHD0322	SCREW	1	
1-86	VHD0089B	SCREW	1	
1-87	XSN3D6FZ	SCREW	2	
1-88	VHN0063	M4 NYLON NUT	1	
1-89	XWE4	M4 NYLON WASHER	2	
1-90	VHD0374	SCREW	3	
1-91	VMX0653	CUT WASHER	2	
1-92	XWGV3D6G	POLLY SLIDER WASHER	1	
1-93	VHD0045	M3 NYLON NUT	1	
1-94	XWE3VW	M3 WASHER	1	
1-95	VHD0425	SCREW	2	
1-96	XTV26+10F	SCREW	4	
1-97	VHD0133	SCREW	2	
1-98	XYN26+F6FZ	SCREW	1	
1-99	XTN3+6F	SCREW	1	
1-100	VHD0342	SCREW	3	
1-101	XTV2+6J	SCREW	1	
1-102	XYN26+C4	SCREW	2	
1-103	XTW3+8TR	SCREW	2	
1-104	XTV26+8F	SCREW	1	
1-105	VMX0653	CUT WASHER	11	

❷ Moving Parts Section



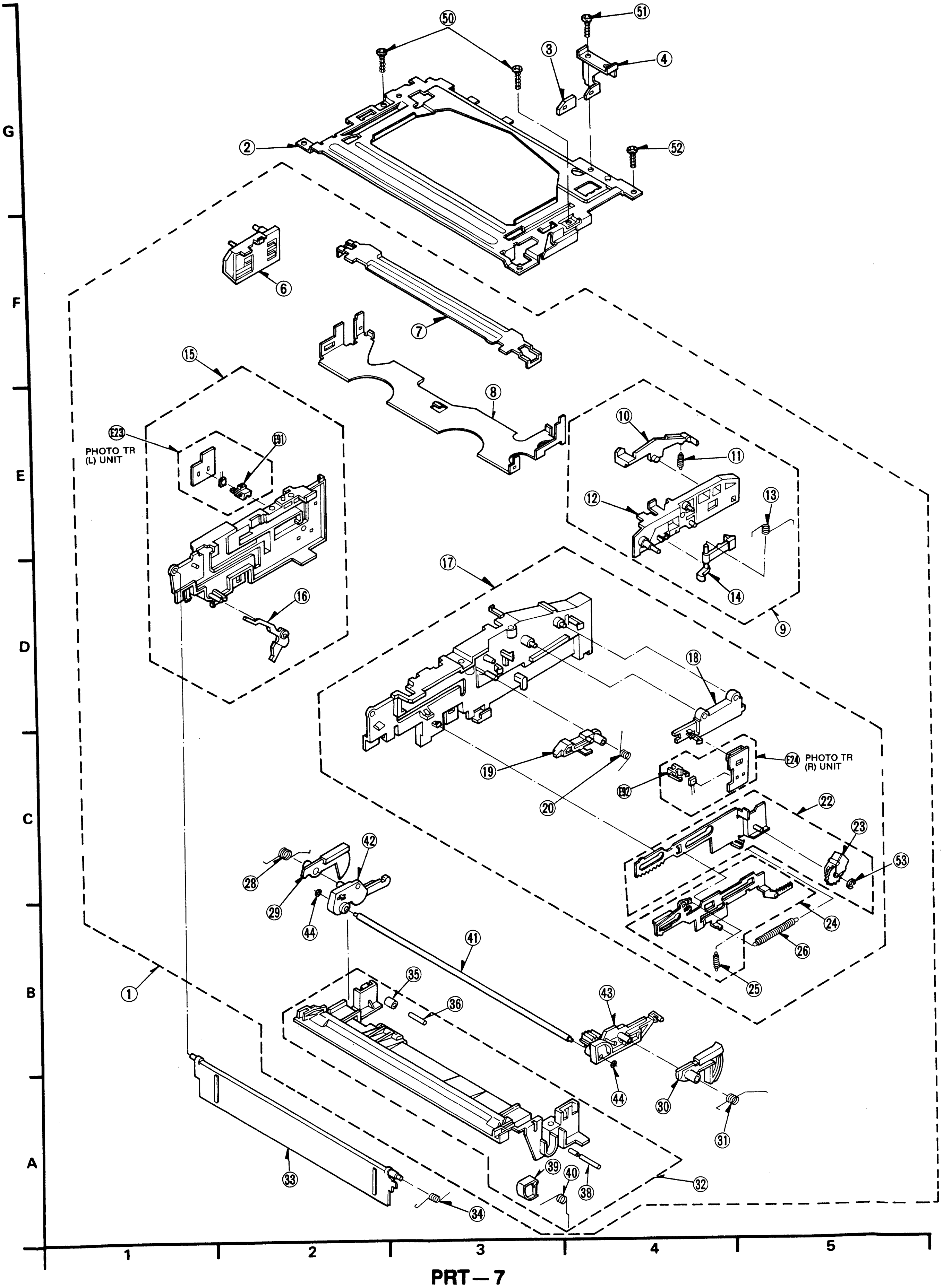
2. Moving Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
2-1	VXP1082	WORM SHAFT UNIT	1	
2-2	VDV0228	LOADING BELT	1	<M><R>
2-3	VDG0581	WORM WHEEL	1	
2-4	VDG0582	INTERMEDIATE GEAR	1	
2-5	VXA3646	GEAR BASE (1) UNIT	1	
2-6	VXS0098	EARTH SPRING UNIT	1	
2-8	VXA4839	STATOR BASE UNIT	1	
2-9	VMD0611	FG SUPPORT (1)	2	
2-10	VMD0621	FG SUPPORT (2)	2	
2-11	HW-300B	HOLE IC	2	<R>
2-12	VJP1230R	CONNECTOR (3P)	1	
2-13	VJP3202A008Z	CONNECTOR (8P)	1	
2-14	VJP1230T	CONNECTOR (3P)	1	
2-15	VSJ0066	SOLENOID	1	<!>
2-16	VXZ0270	MAIN BRAKE (S) UNIT	1	<R>
2-17	VMB1978	BRAKE SPRING	1	
2-18	VXZ0314	MAIN BLAKE (T) UNIT	1	<R>
2-23	VXR0187	TAKEUP REEL TABLE UNIT	1	<R>
2-24	VXR0225	SUPPLY REEL TABLE UNIT	1	<R>
2-25	VEK6553	STATOR UNIT	1	
2-26	VBK0063	MR HEAD	1	<R>
2-27	VJP1902	CONNECTOR	1	
2-28	VXP1456	ROTOR UNIT	1	
2-29	VMA6847	SUB PLATE	1	
2-30	VDG0580	CENTER GEAR	1	
2-31	VXP0878	RETANER GEAR UNIT	1	
2-32	VDG0342	RING GEAR	1	
2-33	VDG0578	MAIN CAM GEAR	1	
2-34	VDG0343	SUB CAM GEAR	1	
2-35	VXL1895	CAM FOLLOWER ARM UNIT	1	
2-36	VML1861	DETENT ARM	1	
2-37	VMM0218	MAIN ROD	1	
2-38	VXA3144	SECTOR GEAR UNIT	1	
2-39	VDG0579	LOADING CAM GEAR	1	
2-40	VDG0420	LOADING GEAR (T)	1	
2-41	VMB1555	LOADING SPRING (T)	1	
2-42	VDG0593	LOADING GEAR (S)	1	
2-43	VMB1746	LOADING SPRING (S)	1	
2-44	VXL1489	LOADING ARM (T)(1) UNIT	1	
2-45	VXL1487	LOADING ARM (S)(1) UNIT	1	
2-46	VML2304	CLEANING ROD	1	
2-47	VMA8003	MOUNT PLATE (B)	1	
2-70	XTV26+6F	SCREW	12	
2-71	VMX0653	CUT WASHER	2	
2-72	XYN2+F5	SCREW	2	
2-73	XSN26+4	SCREW	3	
2-74	XYEV0004	SCREW	3	
2-75	XYNV0015	SCREW	2	
2-76	XUEV3VW	CAT WASHER	6	
2-77	XUEV3VW	CUT WASHER	3	
2-78	XTV3+8F	SCREW	2	

3. Cassette Compartment Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
3-1	VXA4504	CASSETTE COMPERTMENT UNIT	1	<R>
3-2	VMA8166	TOP PLATE	1	
3-3	VMD1384	CASSETTE HOLDER CAP	1	
3-4	VMA7992	CASSETTE HOLDER ANGLE	1	
3-6	VMD1387	HOLDER GUIDE (L)	1	
3-7	VXA3691	HOLDER ANGLE UNIT	1	
3-8	VMA7989	CASSETTE HOLDER	1	
3-9	VXA3692	HOLDER GUIDE (R) UNIT	1	
3-10	VML1882	DOOR OPEN LEVER	1	
3-11	VMB1584	DOOR OPEN LEVEL SPRING	1	
3-12	VMD1386	HOLDER GUIDE (R)	1	
3-13	VMB2063	RELEASE SPRING	1	
3-14	VML2306	RELEASE LEVER	1	
3-15	VXA3694	SIDE PLATE (L) UNIT	1	
3-16	VML2305	OPENER LEVER	1	
3-17	VXA3693	SIDE PLATE (R) UNIT	1	
3-18	VSS0258	SLIDE SWITCH	1	<R>
3-19	VML2288	DOWN SUPPORT LEVER	1	
3-20	VMB1961	DOWN SUPPORT SPRING	1	
3-22	VXA3696	MAIN RACK UNIT	1	
3-23	VDG0737	DAMPER	1	
3-24	VXA3697	SUB RACK UNIT	1	
3-25	VMB1780	RACK C SPRING	1	
3-26	VMB1997	CLUTCH SPRING	1	
3-28	VMB1999	SUB WIPER SPRING (L)	1	
3-29	VML1878	SUB WIPER ARM (L)	1	
3-30	VML1879	SUB WIPER ARM (R)	1	
3-31	VMB1998	SUB WIPER SPRING (R)	1	
3-32	VXA4500	CASSETTE GUIDE UNIT	1	
3-33	VKF1273	BLINDER PANEL	1	
3-34	VMB1258	BLINDER SPRING	1	
3-35	VDP1398	CASSETTE ROLLER	1	
3-36	VMS5505	ROLLER SHAFT	1	
3-38	VMS4644	SHAFT	1	
3-39	VMD1773	CASSETTE SUPPORT	1	
3-40	VMB2329	SUPPORT SPRING	1	
3-41	VMS3182	MAIN SHAFT	1	
3-42	VML1876	WIPER ARM (L)	1	
3-43	VML1877	WIPER ARM (R)	1	
3-44	VHN0068	STOPPING WASHER	2	
3-50	XTV26+8G	SCREW	2	
3-51	XTV26+6F	SCREW	1	
3-52	XTV3+8G	SCREW	1	
3-53	XUC25FP	E RING	1	

❸ Cassette Compartment Section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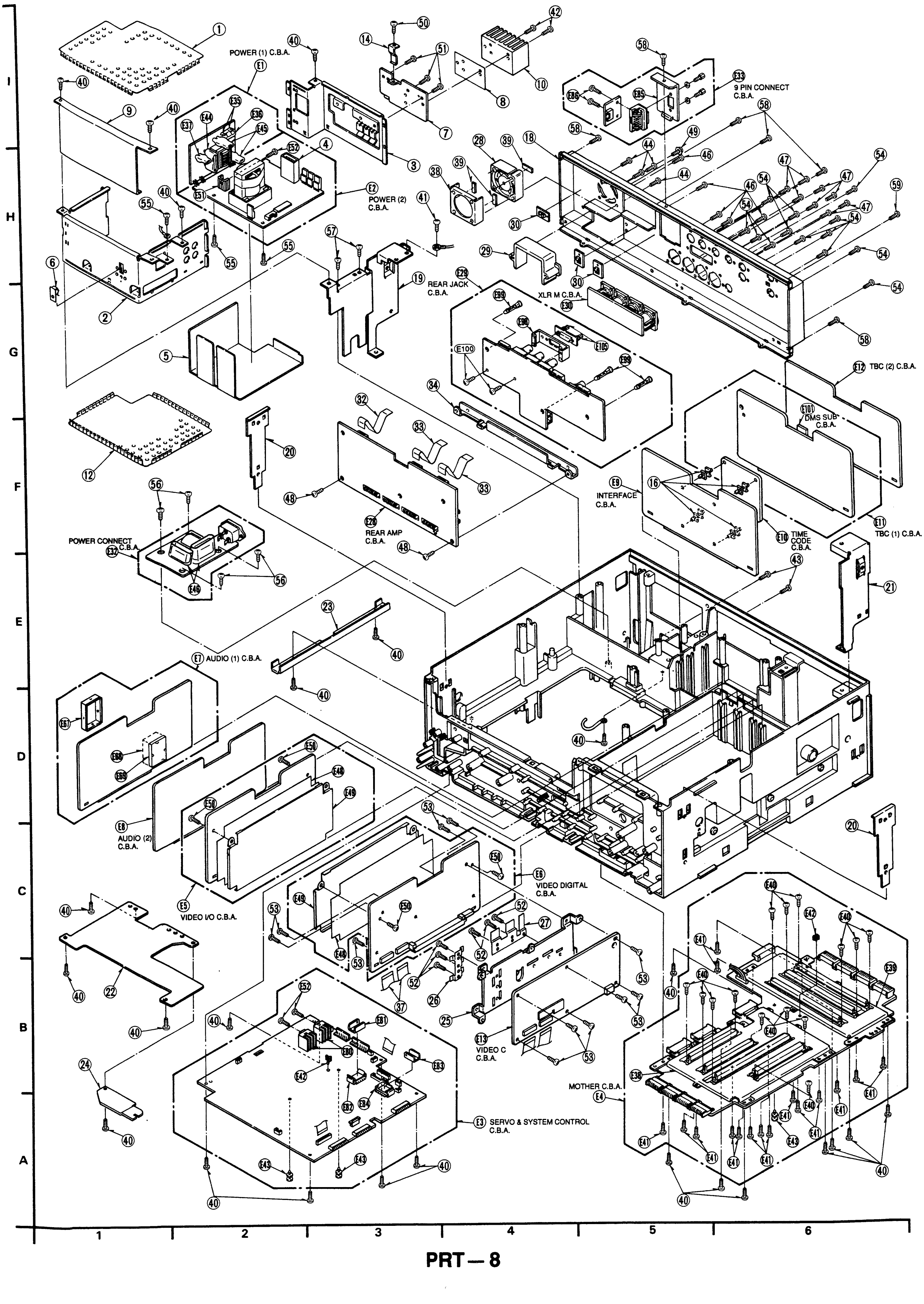
❹ Chassis & Frame Section


POWER (1) C.B.A.
E1
POWER (2) C.B.A.
E2
9 PIN CONNECT C.B.A.
E33
REAR JACK C.B.A.
E29
XLR M C.B.A.
E30
TBC (2) C.B.A.
E12
DMS SUB C.B.A.
E101
INTERFACE C.B.A.
E9
TIME CODE C.B.A.
E10
TBC (1) C.B.A.
E11
REAR AMP C.B.A.
E28
POWER CONNECT C.B.A.
E32
AUDIO (1) C.B.A.
E7
AUDIO (2) C.B.A.
E8
VIDEO I/O C.B.A.
E5
VIDEO DIGITAL C.B.A.
E6
VIDEO C C.B.A.
E13
MOTHER C.B.A.
E4
SERVO & SYSTEM CONTROL C.B.A.
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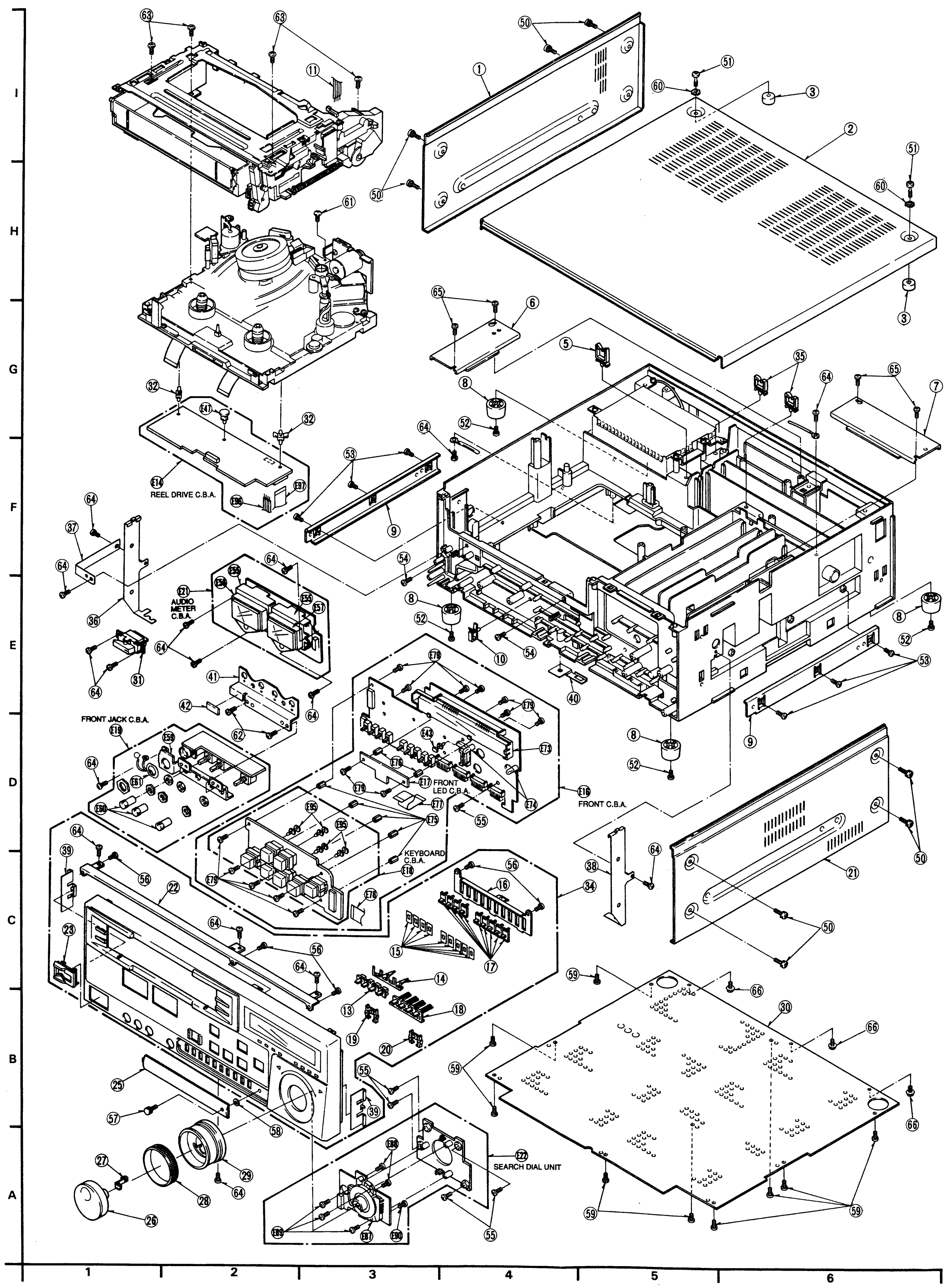
4. Chassis & Frame Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
4-1	VSC3961	POWER UNIT SHIELD CASE (UPPER)	1	
4-2	VSC3963	POWER SHIELD CASE (MIDDLE (A))	1	
4-3	VSC3964	POWER SHIELD CASE (MIDDLE (B))	1	
4-4	VWZ0103	INSULATION TUBE	1	
4-5	VMZ2224	INSULATION SHEET	1	
4-6	VMC0357	TR SPRING	1	
4-7	VSC3965	POWER SHIELD PLATE	1	
4-8	VMT0534	INSULATION SHEET	1	
4-9	VSC4085	POWER SHIELD SHEET	1	
4-10	VSC3966	HEAT SINK	1	
4-12	VSC3962	POWER SHIELD CASE (LOWER)	1	
4-14	VMP3083	TR HOLDER	1	
4-16	VMX2088	C.B. HOLDER	4	
4-18	VJH0775	REAR JACK PLATE	1	
4-19	VMP3221	TOP ANGLE (LEFT)	1	
4-20	VXA4649	SIDE ANGLE UNIT	2	
4-21	VMP3222	TOP ANGLE (RIGHT)	1	
4-22	VMP3216	MECHANISM SHIELD PLATE	1	
4-23	VMP3232	POWER CORD SHIELD ANGLE	1	
4-24	VMP3750	SUPPORT ANGLE	1	
4-25	VSC3975	C.B. HEAT SINK	1	
4-26	VMC0979	HEAT SINK PLATE (1)	1	
4-27	VMC0980	HEATSINK PLATE (2)	1	
4-28	VRF0085	FAN MOTOR	1	
4-29	VGF0507	AC INLET GUARD	1	
4-30	VJF0977	CABLE CLIP	3	
4-32	VWJ10AW070M0	FLEXIBLE CABLE	1	
4-33	VWJ12AW070M0	FLEXIBLE CABLE	2	
4-34	VMP4224	REAR AMP ANGLE	1	
4-37	VWJ18XW040L0	FLEXIBLE CABLE	2	
4-38	VMP4230	FAN MOTOR ANGLE	1	
4-39	VMT0549	INSULATION RUBBER	3	
4-40	XTV3+10JFR	SCREW	24	
4-41	XYE4+EF6	SCREW	1	
4-42	XYN26+C12FZ	SCREW	2	
4-43	XSB3+10FZ	SCREW	2	
4-44	XYN3+F25FZ	SCREW	4	
4-46	XTV3+8GFZ	SCREW	5	
4-47	XSN26+6FZ	SCREW	8	
4-48	XTV3+8FFR	SCREW	2	
4-49	VHD0426	SCREW	1	
4-50	XYN3+C8	SCREW	1	
4-51	XTS3+8F	SCREW	3	
4-52	XSB2+4FZ	SCREW	6	
4-53	XTV3+6FFR	SCREW	11	
4-54	XTV3+8FFZ	SCREW	13	
4-55	XYE3+EF8FR	SCREW	3	
4-56	XTW3+10TFR	SCREW	4	
4-57	XTV3+10J	SCREW	2	
4-58	XYE3+EF8FZ	SCREW	6	
4-59	XYE3+ET12FZ	SCREW	1	

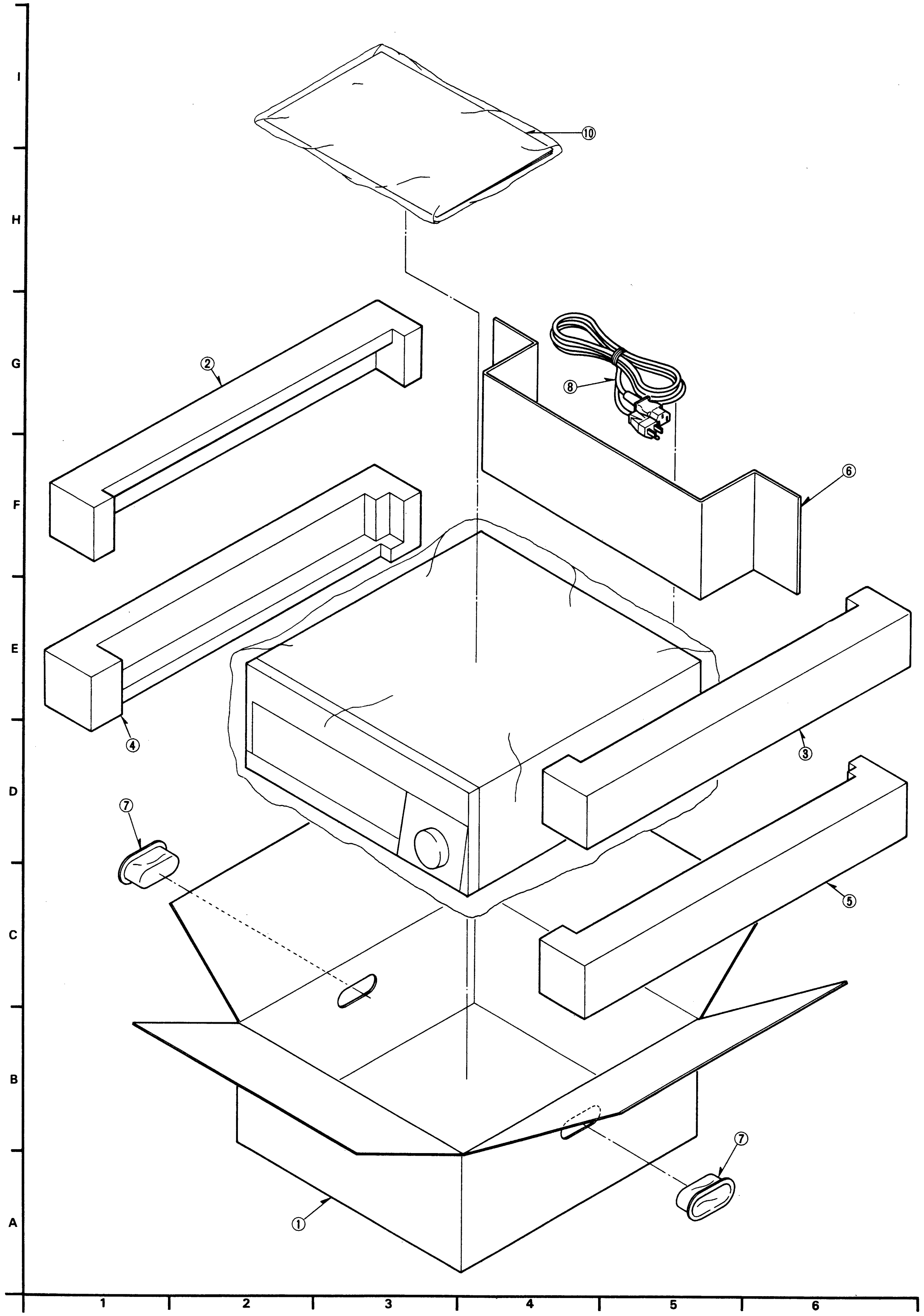
5. Casing Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
5-1	VGM1048	SIDE PANEL (LEFT)	1	
5-2	VGM1047	TOP PANEL	1	
5-3	VMX2248	TOP PANEL SPACER	2	
5-5	VJF0004	MINI CLAMPER	1	
5-6	VMP4225	C.B. HOLDER (1)	1	
5-7	VMP4226	C.B. HOLDER (2)	1	
5-8	VKA0117	RUBBER FOOT	4	
5-9	VXA4551	SUPPORT ANGLE UNIT	2	
5-10	VJF0013	MINI CLAMPER	1	
5-11	VWJ04CN150CA	FLAT CABLE	1	
5-13	VGU6725	OPERATION BUTTON	4	
5-14	VKC0423	OPERATION BUTTON HOLDER	1	
5-15	VGF0508	SLIDE KNOB SHEET	9	
5-16	VMP3226	KNOB HOLD ANGLE	1	
5-17	VGU5603	SLIDE KNOB	9	
5-18	VGU6483	COUNTER BUTTON	1	
5-19	VGL0508	REV. PANELIGHT	1	
5-20	VGL0506	FWD PANELIGHT	1	
5-21	VGM1049	SIDE PANEL (RIGHT)	1	
5-22	VMP3225	FRONT SUPPORT ANGLE	1	
5-23	VKW1501	POWER SWITCH COVER	1	
5-25	VKW1839	OPERATION AREA COVER	1	
5-26	VGU4604	JOG DIAL KNOB	1	
5-27	VMC0444	KNOB SPRING	1	
5-28	VMG0476	SEARCH DIAL RUBBER	1	
5-29	VGU4605	SERCH DIAL KNOB	1	
5-30	VKM3678	BOTTOM PLATE	1	
5-31	VES0703	POWER SWITCH UNIT	1	
5-32	VJF0726	C.B. SUPPORT	2	
5-34	VYP5664	FRONT PANEL UNIT	1	
5-35	VJF0004	MINI CLAMPER	1	
5-36	VMP3648	EARTH PLATE (LEFT)	1	
5-37	VMP3650	MIC EARTH PLATE	1	
5-38	VMP3649	EARTH PLATE (RIGHT)	1	
5-39	VMC1039	FRONT EARTH SPRING	2	
5-40	VSC4094	SHIELD PLATE	1	
5-41	VMP3282	METER ANGLE	1	
5-42	VMT0509	CONDUCTIVE CUSHION	1	
5-50	VHD0426	SCREW	8	
5-51	VHD0222	SCREW	2	
5-52	XTV3+16G	SCREW	4	
5-53	XTV3+10J	SCREW	6	
5-54	XTV4+8F	SCREW	2	
5-55	XTV4+10JFR	SCREW	5	
5-56	XTV3+8J	SCREW	5	
5-57	VHD0679	SCREW	1	
5-58	VMX1558	STOPPING WASHER	1	
5-59	VHD0059	SCREW	9	
5-60	XWC4BFY	WASHER (M4)	2	
5-61	XTV4+12J	SCREW	1	
5-62	XTV3+8F	SCREW	2	
5-63	XTV26+8FR	SCREW	4	
5-64	XTV3+10JFR	SCREW	16	
5-65	XYN3+8FR	SCREW	4	
5-66	XYE3+EF6	SCREW	3	

⑤ Casing Parts Section



❻ Packing Parts Section



6. Packing Parts Section

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
6-1	VPG7652	PACKING CASE	1	
6-2	VPN3799	CUSHION (LEFT TOP)	1	
6-3	VPN3801	CUSHION (RIGHT TOP)	1	
6-4	VPN3802	CUSHION (LEFT BOTTOM)	1	
6-5	VPN3803	CUSHION (RIGHT BOTTOM)	1	
6-6	VPN3899	PAD	1	
6-7	VPF0149	HANDLE	1	
6-8	VJA0488	POWER CORD	1	
6-10	VQT5832	OPERATING INSTRUCTIONS	1	

ELECTRICAL REPLACEMENT PARTS LIST

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
E6	VEP03A67B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO DIGITAL		
E13	VEP08166D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO C		
E9	VEP06903A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		INTERFACE		
E10	VEP06913B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TIME CORD		
E1	VEP01559A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		POWER (1)		
E2	VEP01560A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		POWER (2)		
E19	VEP04418B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT JACK		
E4	VEP00T59B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MOTHER		
E32	VEP01478C	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		POWER CONNECT		
E14	VEP02417A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REEL DRIVE		
E5	VEP03A66B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		VIDEO I/O		
E21	VEP04328B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		METER		
E7	VEP04420B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (1)		
E8	VEP04421B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		AUDIO (2)		
E15	VEP05162J	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		HEAD AMP		
E16	VEP06902D	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT		
E17	VEP06929B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		FRONT LED		FOR VEP06902D
E18	VEP06962B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		KEY BOARD		FOR VEP06902D
E3	VEP06904B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		SERVO & SYSTEM CONTROL		
E11	VEP08159A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TBC (1)		
E101	VEP08170A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		DMS SUB		FOR VEP08159A
E12	VEP08160A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TBC (2)		
E30	VEP04424A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		XLR M		
E33	VEP06906A	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		9P IN CONNECT		
E28	VEP06908B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR AMP		
E29	VEP06909B	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REAR JACK		
E25	VEK2657	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		TENSION SENSOR UNIT		
E26	VEK4265	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		REV TENSION SENSOR UNIT		
E24	VEK4058	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		PHOTO TR (R) UNIT		
E23	VEK3578	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		PHOTO TR (L) UNIT		
E27	VEK6633	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		MOTOR BASE		
E22	VEK5556	P.C.BOARD W/COMPONENT	1	(RTL)<R>
		SEARCH DIAL UNIT		

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP03A67B	P.C.BOARD W/COMPONENT VIDEO DIGITAL		
		CAPACITORS		
C3601	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3621	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3659	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3678	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C3697	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3714	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3715	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3717	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3771	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3772,73	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3775	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3776	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C3777	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3778	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3779,80	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3781	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3782	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3783-85	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3786	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3787	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3793	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3801,02	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3803	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3805,06	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3807	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3808	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3809	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3811	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3812	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3813	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3814	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3815	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3816	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3817	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3819	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3820	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3821	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3822	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3823	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3824	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C3825	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3826	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3827,28	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3829,30	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C3831	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3832	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3833	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3834	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3835	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3836	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3837	ECUM1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C3838	ECUM1H050CCN	C.CAPACITOR CH 50V 5P	1	
C3839	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3840	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3841	ECUM1H020CCN	C.CAPACITOR CH 50V 2P	1	
C3842	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C3843-48	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	6	
C3849	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3850	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3851	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3852	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3854	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3855	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C3856	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3858	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3860	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3861	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3862	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3863	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3864	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3865	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3866	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3867	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C3868	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3869	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3870,71	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C3872,73	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3874	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3875	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3876,77	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C3878	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3879	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3880	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3881	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3883	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C3884	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3885-87	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3889,90	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3891	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3892	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3893	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3894	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3895	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3897	ECCF1H330J	C.CAPACITOR 50V 33P	1	
C3901	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3902	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3903	ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3921-24	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3951	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3952	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3953	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3954	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3955	ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C3956	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C3957,58	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3959	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3961-72	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	12	
C3982	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3984	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3986	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3987	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3988	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
D3601	MA151K	DIODE	1	<R>
D3602	MA165	DIODE	1	<R>
D3801	MA729	DIODE	1	<R>
D3811-14	MA704	DIODE	4	<R>
D3961	31DQ04	DIODE	1	<R>
FL3601	VLF1016A223	FILTER	1	
FL3822,23	VLF1016A223	FILTER	2	
FL3961-64	VLF1016A470	FILTER	4	
FL3965-69	VLF1016A101	FILTER	5	
FL3970,71	VLF1016A470	FILTER	2	
FL3975	VLF1016A470	FILTER	1	
FL3976	VLF1016A101	FILTER	1	
FL3978-80	VLF1016A101	FILTER	3	
FL3981	VLF1016A470	FILTER	1	
FL3982,83	VLF1016A101	FILTER	2	
IC3602	TC74HC123AF	IC	1	<R>
IC3702	MC74HC86F	IC	1	<R>
IC3703	MC74HC74AF	IC	1	<R>
IC3704	MC74HC00AF	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC3771	MC14053BF	IC	1	<R>
IC3781	AN6336S	IC	1	<R>
IC3782	MC74HC74AF	IC	1	<R>
IC3783	MC14517BCP	IC	1	<R>
IC3801	MN6711A1	IC	1	<R>
IC3802	MN6712	IC	1	<R>
IC3803	MN67101A	IC	1	<R>
IC3804	MN67102A	IC	1	<R>
IC3805	MN67103	IC	1	<R>
IC3806,07	MB40558PF	IC	2	<R>
IC3808	MN6570F	IC	1	<R>
IC3810	MC4044M	IC	1	<R>
IC3811	MC74HC04AF	IC	1	<R>
IC3812	AN3915S	IC	1	<R>
IC3813	TC7W04F	IC	1	<R>
IC3814	MN13821-S	IC	1	<R>
IC3815	UPD65025G122	IC	1	<R>
IC3816	TC7W04F	IC	1	<R>
IC3817	SN74LS221NS	IC	1	<R>
IC3818	MC74HC00AF	IC	1	<R>
IC3901	MN170804VMFB	IC	1	<R>
IC3902	MN13821-S	IC	1	<R>
IC3903	TC7W00F	IC	1	<R>
IC3921	MC74HC157AF	IC	1	<R>
IC3922	MC74HC163AF	IC	1	<R>
IC3923	MC74HC32AF	IC	1	<R>
IC3924	HM63021FP	IC	1	<R>
IC3925	TC7S04F	IC	1	<R>
IC3951	MN6570F	IC	1	<R>
L3601	VLQ0319K101	COIL 100UH	1	
L3771,72	VLQ0319K101	COIL 100UH	2	
L3773	VLQ0133J471	COIL 470UH	1	
L3779	VLQ0163J390	COIL 39UH	1	
L3801-03	VLP0133	COIL	3	
L3804-06	VLQ0319K100	COIL 10UH	3	
L3808	VLQ0319K100	COIL 10UH	1	
L3810	VLQ0319K330	COIL 33UH	1	
L3811	VLQ0163J6R8	COIL 6.8UH	1	
L3812,13	VLQ0319K330	COIL 33UH	2	
L3814	VLQ0163J270	COIL 27UH	1	
L3815,16	VLQ0163J680	COIL 68UH	2	
L3817	VLQ0163J270	COIL 27UH	1	
L3818,19	VLQ0319K100	COIL 10UH	2	
L3821	VLQ0319K100	COIL 10UH	1	
L3823-25	VLQ0319K100	COIL 10UH	3	
L3901	VLQ0319K101	COIL 100UH	1	
L3951,52	VLQ0319K100	COIL 10UH	2	
P3932	VJP3176B064	CONNECTOR (MALE)	1	
P3961,62	VJS2848D018	CONNECTOR (FEMALE)	2	
P3963	VJP1233T	CONNECTOR (MALE)	1	
Q3771-73	MSD601-R	TRANSISTOR	3	<R>
Q3774	MSB709-R	TRANSISTOR	1	<R>
Q3783	2SD1328-S	TRANSISTOR	1	<R>
Q3784	MSD601-R	TRANSISTOR	1	<R>
Q3801	2SD1030-S	TRANSISTOR	1	<R>
Q3802	MSC2295-B	TRANSISTOR	1	<R>
Q3803	MSD601-R	TRANSISTOR	1	<R>
Q3804	MSC2295-B	TRANSISTOR	1	<R>
Q3805-08	MSD601-R	TRANSISTOR	4	<R>
Q3809	MSC2295-B	TRANSISTOR	1	<R>
Q3951,52	MSD601-R	TRANSISTOR	2	<R>
QR3772	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3810	MRN1404	TRANSISTOR-RESISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		RESISTORS		
R3643	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3661	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3673	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R3674	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R3691	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R3692	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3710	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3713	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3714	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3717	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3720	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3771	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3772	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3773	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3774	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3775	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3776	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3777	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3778	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3779,80	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3781	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3782	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3784	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3786	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R3788	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3789	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3790	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3791	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3792	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3793,94	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R3795	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3801,02	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	2	
R3803	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3804	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3805	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3806	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3808	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3809	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3810	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3811,12	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3813	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3815-17	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	3	
R3818	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3820	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R3821	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3822	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3823	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R3824-26	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R3829	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3830	VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R3831	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3832	VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R3835	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3836	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3837	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R3838	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3839	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3840,41	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R3842	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R3843	ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R3844	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3845	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3846	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R3847	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3848	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3849	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3850	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3851,52	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R3853	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3854	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R3855	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3856	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3857	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3858,59	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R3860,61	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3862	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3865	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R3866	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3867	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R3868	VRE0034E271	M.RESISTOR CH 1/10W 270	1	
R3869	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3870	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3871	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3872	ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R3873	ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R3874-80	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	7	
R3881-87	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	7	
R3888	ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R3890	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3893	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3894	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3897	ERDS2TJ271	C.RESISTOR 270	1	
R3901	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3902-05	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R3906	ERJ3GEY0R00	M.RESISTOR CH 3W 0.00	1	
R3911	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3912	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3913-15	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	3	
R3918,19	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	2	
R3921-24	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	4	
R3925-28	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R3933	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3935	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3937-39	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R3942	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3944	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3948	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3951	VRE0034E201	M.RESISTOR CH 1/10W 200	1	
R3952	VRE0034E101	M.RESISTOR CH 1/10W 100	1	
R3953,54	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R3955	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R3956	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3957	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R3958	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3961-67	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	7	
R3968	ERJ6GEYJ820	M.RESISTOR CH1/16W 82	1	
R3969-73	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	5	
R3974,75	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3976-78	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R3979	ERJ6GEYJ820	M.RESISTOR CH1/16W 82	1	
R3980	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3981-87	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	7	
R3988	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3989	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3991	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3993	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
SW3921	VSR0045	SWITCH	1	<R>
VR3771	VRV0161B202	V.RESISTOR 2K	1	
X3801	VSX0353	CRYSTAL OSCILLATOR	1	<R>
X3901	VSX0176	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E48	VMZ2228	INSULATION PLATE	1	
E49	VSC3973	INSULATION PLATE	1	
E50	XTV3+6FFR	SCREW	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP08166D	P.C.BOARD W/COMPONENT		
		VIDEO C		
		CAPACITORS		
C9001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9002	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9006	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9401	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C9402	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9403	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C9404	ECUM1H270JUN	C.CAPACITOR 50V 27P	1	
C9405	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9406	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C9407	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C9408	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C9409	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9414	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C9418	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9422	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9423	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9424	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9425	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9426	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9427,28	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	2	
C9429	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9430-33	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	4	
C9434	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9435	ECEA1HKAR47	E.CAPACITOR 50V 0.47U	1	
C9436	ECUM1H153KBN	C.CAPACITOR CH 50V 0.015U	1	
C9437	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C9438	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C9439-44	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C9445	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C9446,47	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C9448	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9449,50	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C9451	ECUM1H273KBN	C.CAPACITOR CH 50V 0.027U	1	
C9452	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9453,54	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C9455	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9456,57	ECEA1AKN100	E.CAPACITOR 10V 10U	2	
C9458	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9459,60	ECEA0JKA470	E.CAPACITOR 6.3V 47U	2	
C9467	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9472	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C9473-77	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C9478,79	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C9481	ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C9482	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C9483	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C9485	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C9486	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9487	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C9488	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C9489	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C9491	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
D9401	MA151WK	DIODE	1	<R>
D9493	MA151K	DIODE	1	<R>
DL9401	VLD0269	DELAY	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
FL9401		VLF0894	FILTER	1	
FL9402		VLF1046	FILTER	1	
IC9401		NJM2233BMA	IC	1	<R>
IC9402		TK16031M	IC	1	<R>
IC9403		M52350FP	IC	1	<R>
IC9404		NJM2283M	IC	1	<R>
IC9405		AN78N05	IC	1	<R>
IC9410		AN6366NS	IC	1	<R>
IC9421		UPC393G2	IC	1	<R>
L9401,02		VLQ0460	COIL	2	
L9404		VLQEL05K680J	COIL 68UH	1	
L9407,08		VLQ0460	COIL	2	
L9409		VLQEL05K390J	COIL 39UH	1	
L9414		VLQEL05K101J	COIL 100UH	1	
P9461,62		VJS2907D018	CONNECTOR (FEMALE)	2	
P9463		VJP1246T	CONNECTOR (MALE)	1	
Q9401		MSC2295-B	TRANSISTOR	1	<R>
Q9402		MSB709-R	TRANSISTOR	1	<R>
Q9407,08		MSD601-R	TRANSISTOR	2	<R>
Q9410,11		MSD601-R	TRANSISTOR	2	<R>
Q9413		MSD601-R	TRANSISTOR	1	<R>
Q9415		MSB709-R	TRANSISTOR	1	<R>
Q9416		MSC2295-B	TRANSISTOR	1	<R>
Q9418		MSB709-R	TRANSISTOR	1	<R>
Q9419		MSC2295-B	TRANSISTOR	1	<R>
Q9421		MSB709-R	TRANSISTOR	1	<R>
Q9423		MSD601-R	TRANSISTOR	1	<R>
QR9402		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR9403,04		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR9406		MRN2404	TRANSISTOR-RESISTOR	1	<R>
			RESISTORS		
R9001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9401		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R9402		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9403		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R9404		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R9406		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9407		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9408		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9411		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9412		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R9413		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R9419		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9420		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R9421		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R9422		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9423		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9424		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R9425		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R9426		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R9427		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R9429		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9431		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9432		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R9434		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9435		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R9436		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R9437		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R9438		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R9439		VRE0034E472	M.RESISTOR CH 1/10W 4.7K	1	
R9440		VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R9441,42		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R9443		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9445		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R9450		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R9451		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R9456		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9458,59		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R9461		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R9462		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R9464,65		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	2	
R9466		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R9467		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R9468		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R9470		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9473		ERJ6GEYJ133	M.RESISTOR CH1/16W 13K	1	
R9475		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9477		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9478		ERJ6GEYJ271	M.RESISTOR CH1/16W 270	1	
R9479,80		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R9482		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9483		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9484		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R9485		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R9486		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R9489		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9490		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R9491		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R9492		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9493		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R9494		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R9498		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R9499		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9500		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R9501		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R9502		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R9503		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
SW9401		VSS0126	SWITCH	1	<R>
TH9401,02		ERTD2FHL102S	THERMISTOR	2	
VR9402		EVN32CA00B14	V.RESISTOR 10K	1	
VR9403		EVN32CA00B24	V.RESISTOR 20K	1	
VR9406,07		EVN32CA00B53	V.RESISTOR 5K	2	
VR9410		EVN32CA00B23	V.RESISTOR 2K	1	
X9401		VSX0160	CRYSTAL OSCILLATOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06903A	P.C.BOARD W/COMPONENT INTERFACE		
		CAPACITORS		
C61001	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61002,03	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C61004	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61005-07	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C61008	ECEA0JU471	E.CAPACITOR 6.3V 470U	1	
C61009,10	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C61011	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C61012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C61013	ECEA1HU3R3	E.CAPACITOR 50V 3.3U	1	
C61014	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61015	ECEA0JU101	E.CAPACITOR 6.3V 100U	1	
C61016-21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	6	
C61026-29	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C61030	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61031-34	ECEA0JU470	E.CAPACITOR 6.3V 47U	4	
C61035,36	ECEA1HU010	E.CAPACITOR 50V 1U	2	
C61037-48	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	12	
C61049-51	ECEA1CU100	E.CAPACITOR 16V 10U	3	
C61052	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C61053	ECEA1CU100	E.CAPACITOR 16V 10U	1	
C61054	ECCF1H390JC	C.CAPACITOR 50V 39P	1	
D61001-04	11EQS04	DIODE	4	<R>
D61005-12	MA153	DIODE	8	<R>
FL61004	VLF0634	FILTER	1	
IC61001	HD641180XF6	IC	1	<R>
IC61002	VSI1403D	IC	1	<R>
IC61003	X22C12P	IC	1	<R>
IC61004	UPD65012FA19	IC	1	<R>
IC61005	TL7705CPSB	IC	1	<R>
IC61006	MC74HC4538F	IC	1	<R>
IC61007	MC74HC32AF	IC	1	<R>
IC61008	TC7W00F	IC	1	<R>
IC61009	TC7W04F	IC	1	<R>
IC61010	MC74HC14AF	IC	1	<R>
IC61011	MC34051M	IC	1	<R>
IC61013	MC74HC541F	IC	1	<R>
IC61014	MC74HC245AF	IC	1	<R>
IC61015	MC74HC541F	IC	1	<R>
IC61016	MC74HC138AF	IC	1	<R>
IC61017	MB89363BPF	IC	1	<R>
IC61018,19	MB86023PF	IC	2	<R>
IC61020-22	MC74HC4053F	IC	3	<R>
IC61023	NJM2233BMA	IC	1	<R>
L61001	VLQEL05S470J	COIL 47UH	1	
L61002	VLQ0067	COIL	1	
L61003-05	VLP0054	COIL	3	
L61006	VLP0017	COIL	1	
L61007-09	VLQEL05S470J	COIL 47UH	3	
P61001	VJP3176B100	CONNECTOR (MALE)	1	
P61002	VJP3076	CONNECTOR (MALE)	1	
P61003	VJS3406D024	CONNECTOR (FEMALE)	1	
P61004	VJS3505C060	CONNECTOR (FEMALE)	1	
P61009	VJP3092	CONNECTOR (MALE)	1	
P61010	VJP3088	CONNECTOR (MALE)	1	
Q61001	MSB709-R	TRANSISTOR	1	<R>
Q61002,03	MSD601-R	TRANSISTOR	2	<R>
		RESISTORS		
R61001,02	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R61003,04	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	2	
R61005,06	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R61007-12	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	6	
R61014-30	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	17	
R61032,33	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R61034	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R61035	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R61036,37	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R61038-47	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	10	
R61048,49	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R61050	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R61051-55	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	5	
R61056-63	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	8	
R61064	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R61065	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R61066-89	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	24	
R61094-13	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	20	
R61114-21	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	8	
R61122-37	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	16	
R61140-58	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	19	
R61160-79	ERJ6GEYJ331	M.RESISTOR CH1/16W 330	20	
R61180-82	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R61184	ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R61185	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R61186	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R61187	ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R61188	ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R61189	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R61190	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R61191	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
X61001	VSX0373	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
	VJS2336A028	IC SOCKET	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP06913B	P.C.BOARD W/COMPONENT		
		TIME CORD		
		CAPACITORS		
C68001,02	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68003	ECEV1HVR22Q	E.CAPACITOR CH 50V 0.22U	1	
C68004,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C68006-09	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C68010,11	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C68012-16	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	5	
C68017	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C68018	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C68019	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C68020	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C68021-27	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	7	
C68028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68029,30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68034	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C68035	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68037	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C68038,39	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C68040	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C68046	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C68047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C68048	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
D68001,02	MA151K	DIODE	2	<R>
D68004,05	MA151K	DIODE	2	<R>
IC68001	UPD78220GJ	IC	1	<R>
IC68002	MN51040VPI	IC	1	<R>
IC68003	MB8421-90LPF	IC	1	<R>
IC68004	M51951AML	IC	1	<R>
IC68005,06	MC74HC32AF	IC	2	<R>
IC68007	MC74HC04AF	IC	1	<R>
IC68008	MC74HC32AF	IC	1	<R>
IC68009	MC74HC373AF	IC	1	<R>
IC68010	VSI1404A	IC	1	<R>
IC68011	MC74HC4053F	IC	1	<R>
IC68012	AN1319S	IC	1	<R>
IC68013,14	MC74HC4053F	IC	2	<R>
IC68016	AN6912S	IC	1	<R>
IF68010	VJF1046	IC SOCKET	1	
IS68010	VJS3427X028	CONNECTOR (FEMALE)	1	
P68001	VJP3507C060	CONNECTOR (MALE)	1	
		RESISTORS		
R68001-03	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	3	
R68004	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R68005,06	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R68007	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R68008	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R68009	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R68010	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R68011,12	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R68013	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R68014	ERJ6GEYJ824	M.RESISTOR CH1/16W 820K	1	
R68018	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R68019	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R68020	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R68021	ERJ6GEYJ394	M.RESISTOR CH1/16W 390K	1	
R68022	ERJ6GEYG132	M.RESISTOR CH1/16W 1.3K	1	
R68023	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R68024,25	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R68026	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R68027	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R68028,29	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	2	
R68030	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R68031	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R68038	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R68039	ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R68040	ERJ6GEYG331	M.RESISTOR CH1/16W 330	1	
R68041	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R68042,43	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R68044	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R68045,46	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	2	
R68047	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R68048	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R68050	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
W68001	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68009	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
W68012-14	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
W68016,17	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
X68001	VSX0499	CRYSTAL OSCILLATOR	1	<R>
X68002	VSX0498	CRYSTAL OSCILLATOR	1	<R>
X68003	VSX0614	CRYSTAL OSCILLATOR	1	<R>
	VEP01559A	P.C.BOARD W/COMPONENT		
		POWER (1)		
		CAPACITORS		
C1001,02	VCK0083	CAPACITOR	2	
C1003	ECQU2A224MN	P.CAPACITOR 100V	1	
C1006	VCK0045	CAPACITOR	1	
D1001	D3SBA60	DIODE	1	<R>
F1001	XBA1C40NB5	FUSE	1	
L1001	ELF18D605	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
P1001	VJP2639	CONNECTOR (MALE)	1	
		MISCELLANEOUS		
E35	VJF0318	FUSE HOLDER	2	
E36	VMZ0429	FUSE COVER	1	<!>
E37	VMZ0965	CAPACITOR COVER	1	<!>
E44	VMZ1798	CAPACITOR COVER	1	<!>
E45	VMZ1608	CAPACITOR TUBE	2	<!>
	VEP01560A	P.C.BOARD W/COMPONENT POWER (2)		
		CAPACITORS		
C1008	ECEC2DC821DB	E.CAPACITOR 5V 820U	1	
C1009	ECEA2AGE100	E.CAPACITOR 10U	1	
C1010	ECEA2DGE010	E.CAPACITOR 1U	1	
C1013	ECQE6473MZ	P.CAPACITOR 0.047U	1	
C1014	ECKD2H151KB	C.CAPACITOR 500V 150P	1	
C1015	ECA1VXLV470	E.CAPACITOR 35V 47U	1	
C1016	ECCF1H271J	C.CAPACITOR 50V 270P	1	
C1017	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	
C1018	ECA1CXLV221	E.CAPACITOR 16V 220U	1	
C1019	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1021,22	ECA1AFZ332L	E.CAPACITOR 10V 3300U	2	
C1023	ECA1CFQ152	E.CAPACITOR 16V 1500U	1	
C1024	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C1025	ECCD2H101J	C.CAPACITOR 500V 100P	1	
C1026	ECA1EFZ122L	E.CAPACITOR 25V 1200U	1	
C1028	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
C1029	ECEA1CGE470	E.CAPACITOR 16V 47U	1	
C1031	ECA1VFQ681	E.CAPACITOR 35V 680U	1	
C1032	ECCD2H101J	C.CAPACITOR 500V 100P	1	
C1033	ECEA1JFE560	E.CAPACITOR 56U	1	
C1036	ECA1CFZ821	E.CAPACITOR 16V 820U	1	
C1038	ECCD2H101J	C.CAPACITOR 500V 100P	1	
C1039	ECA1EFZ331L	E.CAPACITOR 25V 330U	1	
D1005	MA723	DIODE	1	<R>
D1006	8P2M	DIODE	1	<R>
D1007	VSD0002	DIODE	1	<R>
D1008	FMB-24H	DIODE	1	<R>
D1010,11	FMLG12SP	DIODE	2	<R>
D1012	VSD0001	DIODE	1	<R>
D1013	RL2ZP	DIODE	1	<R>
D1014	VSD0002	DIODE	1	<R>
D1015	VSD0001	DIODE	1	<R>
D1016	MA4200H	DIODE	1	<R>
D1017	31DQ04	DIODE	1	<R>
D1019	RD120E	DIODE	1	<R>
D1020	MA4360M	DIODE	1	<R>
IC1001	STRM6543	IC	1	
IC1002	TL431CLP	IC	1	<R>
L1003	VLP0074	COIL	1	
L1004	VLQ0605	COIL	1	
L1006	VLQ0354	COIL	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1007,08	VLQ0410	COIL	2	
L1009	EXCELSA35B	COMB L-C	1	
P1002	VJP1153	CONNECTOR (MALE)	1	
P1003	VJP3088	CONNECTOR (MALE)	1	
Q1001	PS2561L1-1	TRANSISTOR	1	<R>
Q1002	2SD1474	TRANSISTOR	1	<R>
		RESISTORS		
R1004,05	ERG3SJ563	M.RESISTOR 3W 56K	2	
R1006	ERDS2FJ221	C.RESISTOR 1/4W 220	1	
R1007	ERDS2FJ270	C.RESISTOR 1/4W 27	1	
R1008	ERDS2FJ220	C.RESISTOR 1/4W 22	1	
R1009	ERW1PKR18	W.RESISTOR 1W 0.18	1	
R1010	ERDS2FJ152	C.RESISTOR 1/4W 1.5K	1	
R1011	ERDS2FJ101	C.RESISTOR 1/4W 100	1	
R1012	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	
R1013	ERDS2TJ271	C.RESISTOR 1/4W 270	1	
R1014	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R1015	ER0S2CKF2701	M.RESISTOR 1/4W 2.7K	1	
R1016	ERDS2T0	C.RESISTOR 1/4W 0	1	
R1017	ER0S2CKF2201	M.RESISTOR 1/4W 2.2K	1	
R1018,19	ERDS2FJ333	C.RESISTOR 1/4W 33K	2	
R1020,21	ERDS2FJ105	C.RESISTOR 1/4W 1M	2	
R1022	ERDS2FJ224	C.RESISTOR 1/4W 220K	1	
R1024	ERG1SJ271	M.RESISTOR 1W 270	1	
R1025	ERDS2FJ102	C.RESISTOR 1/4W 1K	1	
R1026	VSF0078	FUSE	1	
R1027	ER0S2CKG6202	M.RESISTOR 1/4W 62K	1	
R1028	ERX3SJ1R0	M.RESISTOR 3W 1.0	1	
R1030	ERDS2FJ3R9	C.RESISTOR 1/4W 3.9	1	
R1031	ER0S2CKG2703	C.RESISTOR 2W 270	1	
R1033	ER0S2CKG2703	C.RESISTOR 2W 270	1	
R1034,35	ERDS2FJ333	C.RESISTOR 1/4W 33K	2	
T1001	VLT0728	TRANSFORMER	1	
		MISCELLANEOUS		
E51	VSC3434	SHIELD CASE	1	
E52	XYN3+F8	SCREW	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04418B	P.C.BOARD W/COMPONENT		
		FRONT JACK		
		CAPACITORS		
C4901,02	ECKF1H101KB	C.CAPACITOR 50V 100P	2	
C4910	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	1	
J4901	VJJ0378	M6 JACK	1	
L4901,02	VLQEL05S101J	COIL 100UH	2	
P4901	VJP3529	CONNECTOR (MALE)	1	
P4902	VJP3076	CONNECTOR (MALE)	1	
		RESISTORS		
R4903	ERDS2TJ393	C.RESISTOR 1/4W 39K	1	
R4904	ERDS2TJ153	C.RESISTOR 1/4W 15K	1	
R4905	ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R4906	ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
SW4901	VSR0103	SWITCH	1	<R>
VR4901	EVUNCAF15B23	V.RESISTOR 2K	1	
VR4902	EVU55AF15B15	V.RESISTOR 100K	1	
		MISCELLANEOUS		
E59	VMP4231	FRONT JACK ANGLE (1)	1	
E60	VGU6484	VR KNOB	3	
E61	VMP4434	FRONT JACK ANGLE (2)	1	
	VEP00T59B	P.C.BOARD W/COMPONENT		
		MOTHER		
P910	VJP1147	CONNECTOR (MALE)	1	
P921-23	VJP3203A020Z	CONNECTOR (MALE)	3	
P931	VJS2898A100	CONNECTOR (FEMALE)	1	
P932	VJS2898A064	CONNECTOR (FEMALE)	1	
P933-35	VJS2898A100	CONNECTOR (FEMALE)	3	
P941,42	VJS2898A064	CONNECTOR (FEMALE)	2	
P961-64	VJS3152	CONNECTOR (FEMALE)	4	
P971-74	VJS3490A13	CONNECTOR (FEMALE)	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MISCELLANEOUS		
E38	VMP4222	CONNECTOR ANGLE (1)	1	
E39	VMP4223	CONNECTOR ANGLE (2)	1	
E43	VMX0985	SPACER	1	
E42	VJF0816	CLAMPER	1	
E41	XYE3+EF8FZ	SCREW	17	
	VMT0076	RUBBER CUSHION	2	
E40	XTV26+8J	SCREW	14	
	VEP01478C	P.C.BOARD W/COMPONENT		
		POWER CONNECT		
		CAPACITORS		
C1101,02	ECQU2A224MN	P.CAPACITOR 100V	2	
L1101	ELF18D605	COIL	1	
P1101	VJP2638	CONNECTOR (MALE)	1	
P1102	VJS2985	CONNECTOR (FEMALE)	1	
		RESISTORS		
R1101	ERC12GM334	S.RESISTOR 1/2W 330K	1	
		MISCELLANEOUS		
E46	VMZ1305	CAPACITOR COVER	2	
	VEP02417A	P.C.BOARD W/COMPONENT		
		REEL DRIVE		
		CAPACITORS		
C2701	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2702	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2703	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2704	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2705	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2706-08	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2709-12	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2713	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2714	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C2715-17	ECEA0JKA470	E.CAPACITOR 6.3V 47U	3	
C2718	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C2719	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C2720	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C2721	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2722	ECQV1H564JZ	P.CAPACITOR 50V 0.56U	1	
C2723-25	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	3	
C2726-29	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D2701	MA151K	DIODE	1	<R>
D2702	MA151WK	DIODE	1	<R>
D2703	MA151K	DIODE	1	<R>
D2704	MA153	DIODE	1	<R>
D2705	MA151K	DIODE	1	<R>
D2706	MA151WK	DIODE	1	<R>
D2707	MA151K	DIODE	1	<R>
D2708	MA153	DIODE	1	<R>
IC2701,02	XRA6435S	IC	2	<R>
IC2703	LM358PS	IC	1	<R>
IC2704	MC14053BF	IC	1	<R>
IC2705	LM339NS	IC	1	<R>
IC2706	LM358PS	IC	1	<R>
J2701	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
L2701-04	VLQ0460	COIL	4	
P2701	VJS3135	CONNECTOR (FEMALE)	1	
P2702	VJS2149W	CONNECTOR (FEMALE)	1	
P2703	VJS3202B008	CONNECTOR (FEMALE)	1	
P2704,05	VJS1412	CONNECTOR (FEMALE)	2	
Q2701	MSD601-R	TRANSISTOR	1	<R>
QR2701	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R2701	ERJ6GEYG102	M.RESISTOR CH1/16W 1K	1	
R2702	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2703	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2704	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2705	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R2706	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2707,08	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2709	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2710	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R2711	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2712	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2713,14	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2715	ERX12SJ1R0	M.RESISTOR 1/2W 1.0	1	
R2716	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2717	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2718	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R2719	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2720	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R2721	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2722,23	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R2724	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2725,26	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2727	ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2728	ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R2729	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2730	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2731	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2732	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2733	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2734,35	ERDS2TJ330	C.RESISTOR 1/4W 33	2	
R2736	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2737	ERDS2TJ330	C.RESISTOR 1/4W 33	1	
R2738	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2739	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R2740	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2741,42	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2743	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
		MISCELLANEOUS		
E47	VMX2183	SPACER	1	
E96	VWJ04CN150CA	FLAT CABLE	1	
E97	VWJ18AW105M1	FLEXIBLE WIRE	1	
	VEP03A66B	P.C.BOARD W/COMPONENT		
		VIDEO I/O		
		CAPACITORS		
C3015	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3016	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3019	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3020	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3022	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3023	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3025	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3026	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3042	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3046,47	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3048	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3049	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3050	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3051	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3052	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3053,54	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3055	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3056	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C3057	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3058	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C3059	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3060-62	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3063	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3064,65	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3069	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C3070	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C3071	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3072-75	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3076	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3078	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3085	ECUM1E104KBN	C.CAPACITOR CH 25V 0.1U	1	
C3088	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C3089	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3119	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3130	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3132	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3190,91	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3201	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3203	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3204	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3205,06	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3207	ECQV1H823JZ	P.CAPACITOR 50V 0.082U	1	
C3209,10	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	2	
C3211	ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C3212	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3213		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3214		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3215,16		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3217		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3219		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3220		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3221,22		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3223		ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3224		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3225		ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3226-29		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	4	
C3230		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3231,32		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3233		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3234,35		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3236		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3237		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3238		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3239		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3240		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3241		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3242		ECEV0JN470Q	E.CAPACITOR CH6.3V 47U	1	
C3243,44		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C3245-47		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
C3248,49		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C3250		ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C3251		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3252		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3253		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3254		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3255		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3256		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C3257		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3258		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C3259		ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C3260		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3261		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3262		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3263,64		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	2	
C3265		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3266		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3267,68		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3269		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3270		ECUM1H821JCN	C.CAPACITOR CH 50V 820P	1	
C3272		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3273		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3274		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C3275		ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C3276		ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C3277		ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C3280		ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C3301		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C3302		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3303		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3304,05		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C3306		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3311		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3312		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3313		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3314		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3316		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3317		ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C3318		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C3319		ECEV1EV4R7Q	E.CAPACITOR CH 25V 4.7U	1	
C3320		ECQV1H154JZ	P.CAPACITOR 50V 0.15U	1	
C3321		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3322		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3323		ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C3324		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3325		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3326		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C3327		ECEV0JV330Q	E.CAPACITOR CH6.3V 33U	1	
C3328		ECHU1C392GB	P.CAPACITOR 16V 3900P	1	
C3329		ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C3330		ECEV1HVR47Q	E.CAPACITOR CH 50V 0.47U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C3343		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C3344		ECUM1H562KBN	C.CAPACITOR CH 50V 5600P	1	
C3345		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C3346		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3372		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C3376		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3377		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3378		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C3379		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3388,89		ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	2	
C3390		ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C3391		ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C3392		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C3393		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C3394		ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	
D3004		MA151K	DIODE	1	<R>
D3007		MA151K	DIODE	1	<R>
D3009		MA151K	DIODE	1	<R>
D3012		MA151WK	DIODE	1	<R>
D3201		MA157	DIODE	1	<R>
D3202		MA151K	DIODE	1	<R>
D3203		MA714	DIODE	1	<R>
D3204-06		MA151K	DIODE	3	<R>
D3208,09		MA151K	DIODE	2	<R>
D3302		MA151WA	DIODE	1	<R>
D3303,04		MA151K	DIODE	2	<R>
D3305		MA704	DIODE	1	<R>
DL3201		ELB4R031	DELAY	1	
DL3301		VLD0265	DELAY	1	
FL3201		VLF1050	FILTER	1	
FL3202		VLF1047	FILTER	1	
FL3203		VLF1055	FILTER	1	
FL3204		VLF1045	FILTER	1	
FL3205		VLF1051	FILTER	1	
IC3003		MC74HC4053F	IC	1	<R>
IC3004		NJM2233BMA	IC	1	<R>
IC3006		MC74HC86F	IC	1	<R>
IC3007		M52083FP	IC	1	<R>
IC3008		LM324NS	IC	1	<R>
IC3009		MC14052BF	IC	1	<R>
IC3017		TC7S08F	IC	1	<R>
IC3020		NJM78L05UA	IC	1	<R>
IC3201		AN2352S	IC	1	<R>
IC3202		AN3396	IC	1	<R>
IC3203		LM358PS	IC	1	<R>
IC3204		AN3940SC	IC	1	<R>
IC3205		NJM592M8	IC	1	<R>
IC3206		TA7357P	IC	1	<R>
IC3207		SN74LS221NS	IC	1	<R>
IC3208		TC7S04F	IC	1	<R>
IC3209		NJM2233BMA	IC	1	<R>
IC3210		TC4S30F	IC	1	<R>
IC3302		MC14066BF	IC	1	<R>
IC3303		LM324NS	IC	1	<R>
IC3304		NJM2233BMA	IC	1	<R>
IC3305		AN3296S	IC	1	<R>
IC3307		MN4528BS	IC	1	<R>
IC3309		MC14577BF	IC	1	<R>
IC3311		TC4S30F	IC	1	<R>
IC3312		TC7S32F	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L3004-07	VLQ0319K101	COIL 100UH	4	
L3011	VLQ0163J390	COIL 39UH	1	
L3012	VLQ0133J391	COIL 390UH	1	
L3013	VLQ0163J330	COIL 33UH	1	
L3014	VLQ0319K101	COIL 100UH	1	
L3015	VLQ0163J100	COIL 10UH	1	
L3016	VLQ0163J220	COIL 22UH	1	
L3017	VLQ0163J180	COIL 18UH	1	
L3018	VLQ0163J220	COIL 22UH	1	
L3020	VLQ0163J330	COIL 33UH	1	
L3021,22	VLQ0319K101	COIL 100UH	2	
L3025	VLQ0163J330	COIL 33UH	1	
L3201,02	VLQ0319K101	COIL 100UH	2	
L3203	VLQ0133J561	COIL 560UH	1	
L3204	VLQ0163J151	COIL 150UH	1	
L3205,06	VLQ0319K101	COIL 100UH	2	
L3207	VLQ0133J102	COIL 1000UH	1	
L3208	VLQ0163J330	COIL 33UH	1	
L3209,10	VLQ0319K101	COIL 100UH	2	
L3211	VLQ0163J221	COIL 220UH	1	
L3212	VLQ0163J101	COIL 100UH	1	
L3213,14	VLQ0319K101	COIL 100UH	2	
L3215	VLQ0133J271	COIL 270UH	1	
L3217	VLQ0163J390	COIL 39UH	1	
L3218	VLQ0319K101	COIL 100UH	1	
L3219	VLQ0163J100	COIL 10UH	1	
L3220	VLQ0133J821	COIL 820UH	1	
L3222,23	VLQ0133J391	COIL 390UH	2	
L3224	VLQ0163J330	COIL 33UH	1	
L3302-05	VLQ0319K101	COIL 100UH	4	
L3310	VLQ0319K101	COIL 100UH	1	
L3325	VLQ0319K101	COIL 100UH	1	
P931	VJP3176B100	CONNECTOR (MALE)	1	
P3002	VJP3080	CONNECTOR (MALE)	1	
Q3013	XN4401	TRANSISTOR	1	<R>
Q3017	2SD1328-S	TRANSISTOR	1	<R>
Q3025-27	MSC2295-B	TRANSISTOR	3	<R>
Q3030	MSC2295-B	TRANSISTOR	1	<R>
Q3031	2SK374-R	TRANSISTOR	1	<R>
Q3032	MSB709-R	TRANSISTOR	1	<R>
Q3033	MSD601-R	TRANSISTOR	1	<R>
Q3201	MSC2295-B	TRANSISTOR	1	<R>
Q3202	MSD601-R	TRANSISTOR	1	<R>
Q3203	MSC2295-B	TRANSISTOR	1	<R>
Q3204-07	MSD601-R	TRANSISTOR	4	<R>
Q3208	MSC2295-B	TRANSISTOR	1	<R>
Q3209	MSD601-R	TRANSISTOR	1	<R>
Q3210	MRN1402	TRANSISTOR	1	<R>
Q3211	MSC2295-B	TRANSISTOR	1	<R>
Q3212-14	MSD601-R	TRANSISTOR	3	<R>
Q3215	MSC2295-B	TRANSISTOR	1	<R>
Q3216	2SD1328-S	TRANSISTOR	1	<R>
Q3217	MSD601-R	TRANSISTOR	1	<R>
Q3218	MSC2295-B	TRANSISTOR	1	<R>
Q3219	MSD601-R	TRANSISTOR	1	<R>
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Q3221-24	MSD601-R	TRANSISTOR	4	<R>
Q3225	MSC2295-B	TRANSISTOR	1	<R>
Q3226	MSD601-R	TRANSISTOR	1	<R>
Q3227	2SD1328-S	TRANSISTOR	1	<R>
Q3228	XN1213	TRANSISTOR	1	<R>
Q3229	MSD601-R	TRANSISTOR	1	<R>
Q3230	MSC2295-B	TRANSISTOR	1	<R>
Q3231-33	MSB709-R	TRANSISTOR	3	<R>
Q3234	MSD601-R	TRANSISTOR	1	<R>
Q3235	XN1213	TRANSISTOR	1	<R>
Q3236	XN1504	TRANSISTOR	1	<R>
Q3237	MSB709-R	TRANSISTOR	1	<R>
Q3307-09	MSD601-R	TRANSISTOR	3	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
QR3002	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3003	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3005	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3011-13	MRN2404	TRANSISTOR-RESISTOR	3	<R>
QR3014,15	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3016	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR3204-06	MRN1404	TRANSISTOR-RESISTOR	3	<R>
QR3209	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3211,12	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR3213	MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR3214	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR3301	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R3007	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3020	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3037	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3038	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3039	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3042	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3053	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3063	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3066	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R3067	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3068	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3069	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3076	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3077	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3079	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3082	ERJ6GEYJ820	M.RESISTOR CH1/16W 82	1	
R3085	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3086	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R3087	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3088	ERJ6GEYJ271	M.RESISTOR CH1/16W 270	1	
R3089	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3090	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3092	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3093	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3094	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R3095	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R3096	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3097	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R3098	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3099	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3100	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R3103	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3104	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3105	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3106	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3107	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3109	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3110	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3112,13	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R3114	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3115	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3116	ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R3121	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R3122	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R3123	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3124	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3125	ERJ6GEYJ750	M.RESISTOR CH1/16W 75	1	
R3126	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R3127	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3128	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R3129	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R3178	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3180	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3181	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3182	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R3183	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3185		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3190		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3192		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3200,01		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3202		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3203		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3204		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3205		ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R3207		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3208		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R3209		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3211		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3212		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3213		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3214		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R3215		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3216		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R3217		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3218		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3219,20		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R3221		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R3222,23		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R3224		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3225		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R3226		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R3227,28		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	2	
R3229		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3230		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R3231		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R3232		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R3233		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3234		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3235		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3236		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3237		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3238		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3239		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3240		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3241		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R3242		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3243		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3244		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3245		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3246		ERJ6GEYJ820	M.RESISTOR CH1/16W 82	1	
R3247		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3248,49		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3250		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3251		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3252		ERJ6GEYJ271	M.RESISTOR CH1/16W 270	1	
R3253,54		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R3255		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3256		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3257		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3258		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3259		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3260		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R3261		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3262		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R3263		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3264		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3265		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3266,67		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3268		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R3269		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3270-72		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	3	
R3273		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R3274		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3275		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3276		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3277		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R3278		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3279		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3281		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3282		ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R3283		ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R3284		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R3285,86		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R3287		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3288		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3289		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3290		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3291		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3292		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3293		VRE0034E682	M.RESISTOR CH 1/10W 6.8K	1	
R3294		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3295		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3296		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3297		ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R3298		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3299		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3300		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R3301		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3303		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3304		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3309		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3310		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3311		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3312		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3313		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3314		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R3315,16		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R3317		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R3318		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3320		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3321		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3322		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3323		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R3324		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3327		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3328		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3329		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3330		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3331		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R3332		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R3333		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R3334		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R3335		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R3336		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3337		ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R3338		ERJ6GEYJ753	M.RESISTOR CH1/16W 75K	1	
R3339		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3340		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R3341		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R3342		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R3343		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R3360		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R3361		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3362		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R3363		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3384		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3403		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3404		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R3412-15		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R3416		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3418		ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R3419		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R3420		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R3421		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R3502		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3503		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3504-10		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	7	
R3511		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R3512		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3513		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R3514		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R3516		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3517		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R3518,19		ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	2	
R3520		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R3527		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3528	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R3529	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R3530	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R3536	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R3538	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R3540,41	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R3549	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R3552	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R3568	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R3569	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R3570	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R3572	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
VR3007-11	EVM7DGA00B54	V.RESISTOR 50K	5	
VR3014,15	EVM7DGA00B24	V.RESISTOR 20K	2	
VR3201	EVN32CA00B14	V.RESISTOR 10K	1	
VR3202	EVM7JGA00B32	V.RESISTOR 300	1	
VR3204	EVM7JGA00B13	V.RESISTOR 1K	1	
		MISCELLANEOUS		
E48	VMZ2228	INSULATOR	1	
E49	VSC3973	SHIELD PLATE	1	
E50	XTV3+6FFR	SCREW	2	
	VEP04328B	P.C.BOARD W/COMPONENT		
		METER		
D4201-06	LN440YCPUVT1	DIODE	6	<R>
P4201	VJP3529	CONNECTOR (MALE)	1	
		RESISTORS		
R4201,02	ERDS2TJ151	C.RESISTOR 1/4W 150	2	
R4209,10	ERDS2TJ151	C.RESISTOR 1/4W 150	2	
		MISCELLANEOUS		
E55	VGF0245	METER HOLDER	2	
E56	VSE0117	CH1 METER	1	<R>
E57	VSE0115	CH2 METER	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04420B	P.C.BOARD W/COMPONENT		
		AUDIO (1)		
		CAPACITORS		
C40001	ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40003	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40004	ECEA16M10	E.CAPACITOR 16V 1U	1	
C40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40009	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40010	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C40011	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40012	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40013	ECUM1H560JCN	C.CAPACITOR CH 50V 56P	1	
C40014	ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40015	ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40016	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40017	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40018	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40020	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40029	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40030	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40031,32	ECEA10M22	E.CAPACITOR 10V 22U	2	
C40033	ECEA16M10	E.CAPACITOR 16V 1U	1	
C40034	ECEA50M1	E.CAPACITOR 50V 1U	1	
C40035	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40036	ECEA10M33	E.CAPACITOR 10V 33U	1	
C40037	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40039	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40040	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40041,42	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	2	
C40043	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40044	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40045	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40046	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40047	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40048	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40049	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40050	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40052	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40073	ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40074	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40077	ECUM1H152KBN	C.CAPACITOR CH 50V 1500P	1	
C40078	ECSF1EE336	T.CAPACITOR 25V 33U	1	
C40079,80	ECEA10M22	E.CAPACITOR 10V 22U	2	
C40081	ECEA16M10	E.CAPACITOR 16V 1U	1	
C40082	ECEA50M1	E.CAPACITOR 50V 1U	1	
C40083	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40084	ECEA10M33	E.CAPACITOR 10V 33U	1	
C40085	ECQB1H823JF	P.CAPACITOR 50V 0.082U	1	
C40086	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C40087	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C40088	ECEA1HKA2R2	E.CAPACITOR 50V 2.2U	1	
C40091	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40092,93	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C40094	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C40095	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40096	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C40100	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
C40103	ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	
C40104	ECQV1H334JZ	P.CAPACITOR 50V 0.33U	1	
C40105	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40106	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40107	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C40108	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40109	ECEA1CU221	E.CAPACITOR 16V 220U	1	
C40110	ECEA1CKA100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C40111	ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C40112	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40113	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40114	ECQB1H562JF	P.CAPACITOR 50V 5600P	1	
C40115	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40116	ECQB1H472JF	P.CAPACITOR 50V 4700P	1	
C40117	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40139	ECEA1CU471	E.CAPACITOR 16V 470U	1	
C40140,41	ECEA1CKA101	E.CAPACITOR 16V 100U	2	
C40142	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C40143	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40144	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C40145	ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C40146	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C40147	ECEA1AKA330	E.CAPACITOR 10V 33U	1	
C40148	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C40149	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C40150	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40151	ECEA1CKA330	E.CAPACITOR 16V 33U	1	
C40152	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40153	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C40154	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C40155	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C40156-58	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	3	
D40002	MA151K	DIODE	1	<R>
D40004	MA151K	DIODE	1	<R>
D40007	MA151K	DIODE	1	<R>
D40010	MA151K	DIODE	1	<R>
D40014,15	MA151K	DIODE	2	<R>
D40016	MA151WK	DIODE	1	<R>
D40017	MA151K	DIODE	1	<R>
D40018	MA723	DIODE	1	<R>
D40019	MA165	DIODE	1	<R>
FL40001,02	VLF0402	FILTER	2	
IC40001	HA12005	IC	1	<R>
IC40002	NE646N	IC	1	<R>
IC40003	HA12005	IC	1	<R>
IC40004	NE646N	IC	1	<R>
IC40006,07	MN1280R	IC	2	<R>
IC40008	AN360	IC	1	<R>
IC40009	MC14053BF	IC	1	<R>
IC40010-12	MC74HC595F	IC	3	<R>
IC40013-15	TD62503F	IC	3	<R>
IC40021	TC7S32F	IC	1	<R>
J40005	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J40008,09	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
L40008,09	VLQEL06F102K	COIL 1000UH	2	
P40002	VJP1230R	CONNECTOR (MALE)	1	
P40003	VJP1230T	CONNECTOR (MALE)	1	
P40004	VJP3176B064	CONNECTOR (MALE)	1	
Q40008	2SD636	TRANSISTOR	1	<R>
Q40022,23	2SC2405-S	TRANSISTOR	2	<R>
Q40024	2SD1306	TRANSISTOR	1	<R>
Q40032	2SD636	TRANSISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q40041,42	2SC2405-S	TRANSISTOR	2	<R>
Q40043	2SD1306	TRANSISTOR	1	<R>
Q40045	MSB709-R	TRANSISTOR	1	<R>
Q40046	2SB710A-R	TRANSISTOR	1	<R>
QR40008-10	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40011	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40012	MRN1402	TRANSISTOR	1	<R>
QR40020-22	MRN2403	TRANSISTOR-RESISTOR	3	<R>
QR40023	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR40024	MRN1402	TRANSISTOR	1	<R>
		RESISTORS		
R40010	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R40011,12	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R40016	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R40022	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R40024	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R40025	ERJ6GEYJ184	M.RESISTOR CH1/16W 180K	1	
R40026,27	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R40028	ERJ6GEYJ274	M.RESISTOR CH1/16W 270K	1	
R40029	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R40031	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40032	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R40033	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40034	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40035	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40036	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R40037	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40038	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R40039	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40040	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R40041	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R40042	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40043,44	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R40045	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40046	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R40047	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40048	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R40049	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R40050,51	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R40052	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R40053	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R40054	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40055	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R40056	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R40057	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40058	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R40059	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R40102	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R40104	VRE0034E564	M.RESISTOR CH 1/10W 560K	1	
R40105	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R40106	VRE0034E104	M.RESISTOR CH 1/10W 100K	1	
R40107	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40108	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40109	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R40110	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40111	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R40112	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40113	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R40114	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R40115	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40116	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R40117	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R40120	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R40121	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R40122	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40123	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R40124	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R40125	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R40129	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R40130	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R40132	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R40140	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R40141	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40142	ERJ6GEYJ184	M.RESISTOR CH1/16W 180K	1	
R40143	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40144	ERJ6GEYJ274	M.RESISTOR CH1/16W 270K	1	
R40145	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R40146	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R40147	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R40148	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R40149	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40150	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R40151	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R40181	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R40182	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R40183	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R40184	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R40185	ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R40186	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R40187,88	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R40189	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R40190	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R40191	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40192-99	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	8	
R40200	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40201	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R40202	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R40203	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R40204	ERJ6GEYJ560	M.RESISTOR CH1/16W 56	1	
R40205	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R40206	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R40207	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R40242-46	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	5	
RY40001	VSY2067		1	
VR40002,03	EVN32CA00B23	V.RESISTOR 2K	2	
VR40007,08	EVN32CA00B23	V.RESISTOR 2K	2	
		MISCELLANEOUS		
E67	VSC3967	SHIELD CASE (UPPER)	1	
E68	VSC3968	SHIELD CASE (MIDDLE)	1	
E69	VSC3969	SHIELD CASE (BOTTOM)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04421B	P.C.BOARD W/COMPONENT		
		AUDIO (2)		
		CAPACITORS		
C41001	ECEA1CU471	E.CAPACITOR 16V 470U	1	
C41003,04	ECEA1HPH3R3	E.CAPACITOR 50V 3.3U	2	
C41005	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41006	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41007	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41008	ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41009	ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41010	ECQB1H223JF	P.CAPACITOR 50V 0.022U	1	
C41011	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41012	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41013	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41014-16	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41017	ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41018	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41019	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41020	ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41021,22	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41023	ECEA1APH101	E.CAPACITOR 10V 100U	1	
C41024	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C41025	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41026	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41027	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41028	ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C41029	ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C41030	ECEA0JKS330	E.CAPACITOR 6.3V 33U	1	
C41031	ECQV1H274JZ	P.CAPACITOR 50V 0.27U	1	
C41032,33	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41034	ECEA1APZ101	E.CAPACITOR 10V 100U	1	
C41035,36	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C41038	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41040	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	
C41041	ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41042-44	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	3	
C41045	ECQB1H332JF	P.CAPACITOR 50V 3300P	1	
C41046	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C41047	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41048,49	ECQB1H223JF	P.CAPACITOR 50V 0.022U	2	
C41050	ECEA1EKA100	E.CAPACITOR 25V 10U	1	
C41051	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C41052	ECQB1H682JF	P.CAPACITOR 50V 6800P	1	
C41055,56	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41057	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41058	ECEA1CPZ220	E.CAPACITOR 16V 22U	1	
C41059	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41060	ECEA1AKA101	E.CAPACITOR 10V 100U	1	
C41061	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C41065,66	ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C41067,68	ECEA1CSN100	E.CAPACITOR 16V 10U	2	
C41069,70	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	2	
C41072-74	ECEA1CKA470	E.CAPACITOR 16V 47U	3	
C41075	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C41077	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	
C41080	ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41082	ECEA1CU221	E.CAPACITOR 16V 220U	1	
C41084	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41085	ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C41086,87	ECEA1CKA100	E.CAPACITOR 16V 10U	2	
C41088	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41089	ECEA1CKA100	E.CAPACITOR 16V 10U	1	
C41090	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41091	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C41092	ECEA1AKA470	E.CAPACITOR 10V 47U	1	
C41093	ECEA1CKA100	E.CAPACITOR 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C41094,95	ECEA1CKA470	E.CAPACITOR 16V 47U	2	
C41116	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C41117	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41118	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C41119	ECEA1CU471	E.CAPACITOR 16V 470U	1	
C41121	ECEA1EPH4R7	E.CAPACITOR 25V 4.7U	1	
C41122	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C41123	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C41124	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C41130	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
D41001-04	OA90	DIODE	4	<R>
D41005,06	MA3043	DIODE	2	<R>
D41007,08	MA4068M	DIODE	2	<R>
D41009	MA151K	DIODE	1	<R>
D41010	MA157	DIODE	1	<R>
D41012,13	MA3030	DIODE	2	<R>
D41014	MA3068	DIODE	1	<R>
D41015,16	MA151K	DIODE	2	<R>
D41017	MA153	DIODE	1	<R>
FL41001	VLF0696	FILTER	1	
IC41001	BA7705K1	IC	1	<R>
IC41002	AN78N05	IC	1	<R>
IC41003	AN3912	IC	1	<R>
IC41004	UPC4558G2	IC	1	<R>
IC41005	UPC393G2	IC	1	<R>
IC41006	MC14053BF	IC	1	<R>
IC41007	UPC4558G2	IC	1	<R>
IC41008	NJM2068MD	IC	1	<R>
IC41010-12	MC14053BF	IC	3	<R>
IC41013	UPC4558G2	IC	1	<R>
IC41014	MC14053BF	IC	1	<R>
IC41015	UPC4556G2	IC	1	<R>
IC41016,17	AN6558S	IC	2	<R>
L41001-03	VLQEL05S101J	COIL 100UH	3	
L41004-08	VLQEL06F102K	COIL 1000UH	5	
P41001	VJP3078	CONNECTOR (MALE)	1	
P41003	VJP3176B064	CONNECTOR (MALE)	1	
Q41002,03	2SD1306	TRANSISTOR	2	<R>
Q41006	MSD601-R	TRANSISTOR	1	<R>
Q41008	2SD1306	TRANSISTOR	1	<R>
Q41009	2SD638	TRANSISTOR	1	<R>
Q41010	2SB643	TRANSISTOR	1	<R>
Q41012-14	MSD601-R	TRANSISTOR	3	<R>
Q41015	2SD1328-R	TRANSISTOR	1	<R>
Q41016	2SD602A	TRANSISTOR	1	<R>
Q41017,18	2SD1306	TRANSISTOR	2	<R>
Q41036	2SB710	TRANSISTOR	1	<R>
Q41037	2SD1306	TRANSISTOR	1	<R>
Q41038,39	2SD1328-R	TRANSISTOR	2	<R>
Q41040	2SD1306	TRANSISTOR	1	<R>
Q41041,42	2SD1328-R	TRANSISTOR	2	<R>
Q41043	2SD1306	TRANSISTOR	1	<R>
Q41044,45	2SD1328-R	TRANSISTOR	2	<R>
Q41046	2SD1306	TRANSISTOR	1	<R>
Q41047,48	2SD1328-R	TRANSISTOR	2	<R>
Q41049	2SD601	TRANSISTOR	1	<R>
Q41051,52	2SD1306	TRANSISTOR	2	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
Q41053	2SB709A-R	TRANSISTOR	1	
QR41002,03	MRN2403	TRANSISTOR-RESISTOR	2	<R>
QR41004	MRN1403	TRANSISTOR-RESISTOR	1	<R>
QR41006,07	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR41012	MRN1402	TRANSISTOR	1	<R>
		RESISTORS		
R41003,04	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R41005,06	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R41007	ERJ6GEYJ225	M.RESISTOR CH1/16W 2.2M	1	
R41008,09	ERJ6GEYJ331	M.RESISTOR CH1/16W 330	2	
R41010,11	ERJ6GEYG821	M.RESISTOR CH1/16W 820	2	
R41012	ERJ6GEYG681	M.RESISTOR CH1/16W 680	1	
R41013	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41014	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41015	ERJ6GEYG183	M.RESISTOR CH1/16W 18K	1	
R41016	ERJ6GEYG562	M.RESISTOR CH1/16W 5.6K	1	
R41017	ERJ6GEYG104	M.RESISTOR CH1/16W 100K	1	
R41018	ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R41019	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R41020	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41021	VRE0034E393	M.RESISTOR CH 1/10W 39K	1	
R41022	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41023,24	VRE0034E223	M.RESISTOR CH 1/10W 22K	2	
R41025	ERJ6GEYG163	M.RESISTOR CH1/16W 16K	1	
R41026	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R41027	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41028,29	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R41030	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41031	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R41032	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41033,34	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R41035	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41038	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R41039	ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R41040	ERJ6GEYG303	M.RESISTOR CH1/16W 30K	1	
R41041	ERJ6GEYG104	M.RESISTOR CH1/16W 100K	1	
R41042	ERJ6GEYG562	M.RESISTOR CH1/16W 5.6K	1	
R41043	ERJ6GEYG183	M.RESISTOR CH1/16W 18K	1	
R41044	VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R41045	VRE0034E112	M.RESISTOR CH 1/10W 1.1K	1	
R41046	ERJ6GEYG681	M.RESISTOR CH1/16W 680	1	
R41047,48	ERJ6GEYG821	M.RESISTOR CH1/16W 820	2	
R41049	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R41050	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41051	ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R41062	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R41063	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R41064	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R41065	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R41066-71	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	6	
R41072,73	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	2	
R41074	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41075,76	ERJ6GEYJ331	M.RESISTOR CH1/16W 330	2	
R41077	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41078	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41082	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41091	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41097	ERJ6GEYG680	M.RESISTOR CH1/16W 68	1	
R41098	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R41099	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41100	VRE0034E302	M.RESISTOR CH 1/10W 3K	1	
R41101	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R41102	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41103	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R41104	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41105,06	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R41107,08	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R41109-11	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R41112	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R41113	ERJ6GEYJ334	M.RESISTOR CH1/16W 330K	1	
R41115	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41116	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R41117	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R41118	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41119	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41120	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R41121	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41122	ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R41123	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41124	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R41125	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41126	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R41127,28	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	2	
R41129	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R41130	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41131	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41132,33	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	2	
R41134	ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R41135	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R41136	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41149	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41183	ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R41184	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41185	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41186	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R41187	ERJ6GEYG151	M.RESISTOR CH1/16W 150	1	
R41188	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R41189	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41190	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41191	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R41192-94	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R41195	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41196	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R41197	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R41198	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41199	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R41200-03	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R41204	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41205	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R41206	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R41207	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R41208	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41209	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41210-12	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R41213	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R41214	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R41215	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R41216,17	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R41218	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R41219	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R41220	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R41228,29	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R41230	ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R41231	ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R41232	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R41233,34	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R41235	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R41236,37	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R41250,51	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
SW41001	ESD145131	SWITCH	1	<R>
VR41001	EVN32CA00B24	V.RESISTOR 20K	1	
VR41002	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41004	EVN32CA00B15	V.RESISTOR 100K	1	
VR41005	EVN32CA00B24	V.RESISTOR 20K	1	
VR41006	EVMF6SA00B14	V.RESISTOR 10K	1	
VR41012-14	EVN32CA00B53	V.RESISTOR 5K	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP05162J	P.C.BOARD W/COMPONENT		
		HEAD AMP		
		CAPACITORS		
C5001	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5002,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C5004	ECEA1HKA0R1	E.CAPACITOR 50V 0.1U	1	
C5005	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5006	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5010	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5013	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5014	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5015	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5016	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5017	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5018,19	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	2	
C5020	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5021	ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C5022	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5023	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5024,25	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5026	ECUM1H020DCN	C.CAPACITOR CH 50V 2P	1	
C5027	ECEA1EKA4R7	E.CAPACITOR 25V 4.7U	1	
C5028	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C5029	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5032,33	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C5034	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C5035	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C5036	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5037	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C5039	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C5042	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5043	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5044,45	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C5046	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C5047	ECEA1HKA010	E.CAPACITOR 50V 1U	1	
C5048	ECUM1H472ZFN	C.CAPACITOR CH 50V 4700P	1	
C5066	ECUM1E224ZFN	C.CAPACITOR CH 25V 0.22U	1	
D5001,02	MA151K	DIODE	2	<R>
IC5001	AN3334K	IC	1	<R>
IC5002	BA7740FS	IC	1	<R>
L5001	VLQ0460	COIL	1	
L5003	VLQ0460	COIL	1	
P5001	VJP3091	CONNECTOR (MALE)	1	
P5002	VJS2603	CONNECTOR (FEMALE)	1	
P5003	VJP3091	CONNECTOR (MALE)	1	
Q5001	MSB709-R	TRANSISTOR	1	<R>
Q5003	XN4504	TRANSISTOR	1	<R>
Q5005	MSC2295-B	TRANSISTOR	1	<R>
QR5001	MRN1404	TRANSISTOR-RESISTOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		RESISTORS		
R5001	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R5003	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5004	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R5005	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R5006	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R5007	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R5010	ERJ6GEYK1R0	M.RESISTOR CH1/16W 1.0	1	
R5011-14	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	4	
R5015-18	ERJ6GEYJ100	M.RESISTOR CH1/16W 10	4	
R5019	ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R5022	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R5026	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R5027	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R5028	ERJ6GEYG243	M.RESISTOR CH1/16W 24K	1	
R5029	ERJ6GEYG273	M.RESISTOR CH1/16W 27K	1	
R5030	ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R5031	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R5032	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R5034	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R5036	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R5037,38	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R5039	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R5041	ERJ6GEYJ180	M.RESISTOR CH1/16W 18	1	
R5042,43	ERJ6GEYJ100	M.RESISTOR CH1/16W 10	2	
R5044,45	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R5046,47	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R5059	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
		MISCELLANEOUS		
E64	VSC3119	SHIELD COVER (MIDDLE)	1	
E65	VSC3039	SHIELD COVER (FRONT)	1	
E66	VSC3040	SHIELD COVER (REAR)	1	
	VEP06902D	P.C.BOARD W/COMPONENT		
		FRONT		
	VEP06929B	P.C.BOARD W/COMPONENT		ON VEP06902D
		FRONT LED		
	VEP06962B	P.C.BOARD W/COMPONENT		ON VEP06902D
		KEY BOARD		
		CAPACITORS		
C62002	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C62003	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62004,05	ECEA1HKS220	E.CAPACITOR 50V 22U	2	
C62007	ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C62008-10	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	3	
C62011	ECEA1CKS330	E.CAPACITOR 16V 33U	1	
C62012	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C62013	ECEA1AKS221	E.CAPACITOR 10V 220U	1	
C62014	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C62015,16	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
D62002	MA4056-M	DIODE	1	<R>
D62013-16	MA151K	DIODE	4	<R>
D62018-22	MA151K	DIODE	5	<R>
D62023-28	MA153	DIODE	6	<R>
D62029-31	MA152K	DIODE	3	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
D62032-35	MA151K	DIODE	4	<R>
D62036	MA701A	DIODE	1	<R>
D62047	MA152K	DIODE	1	<R>
D62049,50	MA151K	DIODE	2	<R>
D62701-07	MA165	DIODE	7	<R>
DP62001	VSL0312	DISPLAY TUBE	1	
IC62001	UPD75236J025	IC	1	<R>
IC62002	UPC393G2	IC	1	<R>
IC62003	MN1382-R	IC	1	<R>
J62005-07	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
L62001	VLQEL05K121K	COIL 120UH	1	
LD62010,11	LN31GCPHL	IC	2	
P62001-04	VJP3503	CONNECTOR (MALE)	4	
P62005	VJP1236T	CONNECTOR (MALE)	1	
P62006	VJS2949B010	CONNECTOR (FEMALE)	1	
P62007	VJP3076	CONNECTOR (MALE)	1	
P62008	VJP3530	CONNECTOR (MALE)	1	
P62009	VJS2889A018	CONNECTOR (FEMALE)	1	
P62501	VJS2949B010	CONNECTOR (FEMALE)	1	
P62701	VJS2949B018	CONNECTOR (FEMALE)	1	
Q62002-05	MSD601-R	TRANSISTOR	4	<R>
Q62006-08	MSB710-R	TRANSISTOR	3	<R>
QR62001	MRN1404	TRANSISTOR-RESISTOR	1	<R>
		RESISTORS		
R62001	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R62003	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R62004-11	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	8	
R62012-19	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	8	
R62020-24	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	5	
R62025	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R62026-36	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	11	
R62037-40	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	4	
R62041	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R62042-52	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	11	
R62059	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R62070,71	ERJ14YJ330	M.RESISTOR 1/4W 33	2	
R62076-79	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	4	
R62080	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R62081	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R62082	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R62083	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R62084	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R62085	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R62088,89	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	2	
R62090	ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R62091	ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R62092,93	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	2	
R62094	ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R62095,96	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R62097-01	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	5	
R62102,03	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R62108	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R62109	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R62110-12	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R62701-03	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
R62704	ERDS2TJ470	C.RESISTOR 1/4W 47	1	
R62705-07	ERDS2TJ560	C.RESISTOR 1/4W 56	3	
SW62010-13	EVQQJ104K	SWITCH	4	<R>
SW62014,15	VSS0225	SWITCH	2	<R>
SW62016	VSS0324	SWITCH	1	<R>
SW62017	VSS0225	SWITCH	1	<R>
SW62018	VSS0324	SWITCH	1	<R>
SW62020	VSS0225	SWITCH	1	<R>
SW62021	VSS0324	SWITCH	1	<R>
SW62022,23	VSS0225	SWITCH	2	<R>
SW62501-04	VSP0829	SWITCH	4	<R>
SW62701	VSP0791	SWITCH	1	<R>
SW62702	VSP0792	SWITCH	1	<R>
SW62703	VSP0788	SWITCH	1	<R>
SW62704	VSP0794	SWITCH	1	<R>
SW62705	VSP0790	SWITCH	1	<R>
SW62706	VSP0793	SWITCH	1	<R>
SW62707	VSP0795	SWITCH	1	<R>
X62001	VSX0140	CRYSTAL OSCILLATOR	1	<R>
		MISCELLANEOUS		
E43	VMX0985	P.C.B. SPACER	1	
E73	VJF0960	DISPLAY TUBE HOLDER	1	
E74	VMX2062	LED SPACER	2	
E76	VMS4950	P.C.BOARD POST	2	
E79	XYN26+C5FR	SCREW	14	
E77	VWJ10SW050L0	FLAT CABLE	1	
E78	VWJ18XW040L1	FLEXIBLE WIRE	1	
E75	VMS5528	P.C.B. SUPPORT	5	
E95	VKC0295	P.C.B. SPACER	4	
	VEP06904B	P.C.BOARD W/COMPONENT		
		SERVO & SYSTEM CONTROL		
		CAPACITORS		
C1501	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1502	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1503	ECEA1DPS681	E.CAPACITOR 680U	1	
C1504	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1505	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1506	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1507	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1508	ECQV1H104JZ	P.CAPACITOR 50V 0.1U	1	
C1509,10	ECEA1CU101	E.CAPACITOR 16V 100U	2	
C1511	ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C1512	ECEA1CU101	E.CAPACITOR 16V 100U	1	
C1513	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C1514	ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C1515	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C1517	ECEA1AU221	E.CAPACITOR 10V 220U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1518	ECEA1VU100	E.CAPACITOR 35V 10U	1	
C1519	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1520	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1521	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1522	ECEA1CGE102	E.CAPACITOR 16V 1000U	1	
C1523	ECEA1EGE470	E.CAPACITOR 25V 47U	1	
C1524	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1525	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C1526	ECEA1AGE471	E.CAPACITOR 10V 470U	1	
C1527	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1529	ECEA1EGE471	E.CAPACITOR 25V 470U	1	
C1530	ECEA1VGE220	E.CAPACITOR 35V 22U	1	
C1531	ECA0JFQ102	E.CAPACITOR 6.3V 1000U	1	
C1532	ECEA1AGE221	E.CAPACITOR 10V 220U	1	
C1533	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C1534	ECEA1EGE221	E.CAPACITOR 25V 220U	1	
C1541	ECEA1AGE101	E.CAPACITOR 10V 100U	1	
C2001	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2002	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C2003	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C2004	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2005	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2006	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2007	ECEA1AU330	E.CAPACITOR 10V 33U	1	
C2008	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2009	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2010	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2011	ECEA1AU220	E.CAPACITOR 10V 22U	1	
C2012	ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2013-15	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2016,17	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2018	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2019	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2020	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2021	ECQB1H152JF	P.CAPACITOR 50V 1500P	1	
C2022	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2023	ECQV1H184JZ	P.CAPACITOR 50V 0.18U	1	
C2025	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2027	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2028	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2029,30	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2031	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C2032	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2033,34	ECEA1CU100	E.CAPACITOR 16V 10U	2	
C2035	ECEA1HUR47	E.CAPACITOR 50V 0.47U	1	
C2041	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C2044,45	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	2	
C2047	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C2050,51	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2052	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C2201	ECEA0JGE470	E.CAPACITOR 6.3V 47U	1	
C2202,03	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2204,05	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2206	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2207,08	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2209,10	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C2214	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2215	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2216	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2217,18	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2219	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2220,21	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2222	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2223,24	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2225	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2226	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2227	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2228-30	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2231	ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2232-34	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2235	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2236	ECQB1H333JF	P.CAPACITOR 50V 0.033U	1	
C2237,38	ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2239-41	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2243	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C2244		ECEA1CU100	E.CAPACITOR 16V 10U	1	
C2245-47		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2318,19		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2320		ECUM1H222KBN	C.CAPACITOR CH 50V 2200P	1	
C2321		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2322		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	1	
C2323		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2327,28		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2330		ECQP1H103JZ	P.CAPACITOR 50V 0.01U	1	
C2331		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2335,36		ECEA0JU470	E.CAPACITOR 6.3V 47U	2	
C2338		ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	
C2339		ECUM1H331JCN	C.CAPACITOR CH 50V 330P	1	
C2340-42		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2401,02		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C2403		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2404,05		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C2406-09		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2410		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2501		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2502		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2503		ECQB1H273JF	P.CAPACITOR 50V 0.027U	1	
C2504		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2510		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2512-14		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2516-19		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	4	
C2701		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C2702		ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C2703		ECUM1H561JCN	C.CAPACITOR CH 50V 560P	1	
C2704		ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C2705		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2709		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C2710		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2711		ECQB1H222JF	P.CAPACITOR 50V 2200P	1	
C2712		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2714		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2716,17		ECEA1EU101	E.CAPACITOR 25V 100U	2	
C2718		ECQV1H474JZ	P.CAPACITOR 50V 0.47U	1	
C2722		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2723		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2724		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	1	
C2725		ECEA1EU221	E.CAPACITOR 25V 220U	1	
C2726		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2727-30		ECQV1H104JZ	P.CAPACITOR 50V 0.1U	4	
C2731-33		ECEA1HN4R7S	E.CAPACITOR 50V 4.7U	3	
C2734		ECQB1H473JF	P.CAPACITOR 50V 0.047U	1	
C2735		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2736		ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C2737		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C2738		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C2739		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2740		ECEA1EU470	E.CAPACITOR 25V 47U	1	
C2741		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C2742		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C2744-46		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	3	
C2747-50		ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	4	
C2751-53		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	
C2754		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2755-57		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	3	
C2758		ECEA1HNR47S	E.CAPACITOR 50V 0.47U	1	
C2759		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2760		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2761		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2762		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2763		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C2764		ECEA0JU220	E.CAPACITOR 6.3V 22U	1	
C2765		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C2766		ECEA1HN2R2S	E.CAPACITOR 50V 2.2U	1	
C2767		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C2768		ECEA1HU2R2	E.CAPACITOR 50V 2.2U	1	
C2769,70		ECUM1H102JN	C.CAPACITOR CH 50V 1000P	2	
C2793		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C2804,05		ECEA1EU472	E.CAPACITOR 25V 4700U	2	
C2806		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60001		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C60002,03		ECEA1CU102B	E.CAPACITOR 16V 1000U	2	
C60005		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60006		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60007		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60008		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60009		ECEA0JU332	E.CAPACITOR 6.3V 3300U	1	
C60016		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C60018,19		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C60020		ECEA1HU010	E.CAPACITOR 50V 1U	1	
C60021		ECEA1HU4R7	E.CAPACITOR 50V 4.7U	1	
C60022		ECEA1AU220	E.CAPACITOR 10V 22U	1	
C60023		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60024		ECEA0JU682	E.CAPACITOR 6.3V 6800U	1	
C60026		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C60027		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60101		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60102		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60103-06		ECQB1H102JF	P.CAPACITOR 50V 1000P	4	
C60107		ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C60108		ECEA1CU221	E.CAPACITOR 16V 220U	1	
C60109		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60110,11		ECEA1CU100	E.CAPACITOR 16V 10U	2	
C60112		ECEA1CU470	E.CAPACITOR 16V 47U	1	
C60501		ECEA1EU4R7	E.CAPACITOR 25V 4.7U	1	
C60502		ECQB1H104JF	P.CAPACITOR 50V 0.1U	1	
C60503		ECEA1HN010S	E.CAPACITOR 50V 1U	1	
C60504		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C60505		ECEA1EN101S	E.CAPACITOR 25V 100U	1	
C60506		ECEA1CU101	E.CAPACITOR 16V 100U	1	
C60507		ECEA0JU470	E.CAPACITOR 6.3V 47U	1	
C60508,09		ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
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D2736-38		MA4160-H	DIODE	3	<R>
D2741,42		MA4062M	DIODE	2	<R>
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D60001		11EQS04	DIODE	1	<R>
D60002		MA170	DIODE	1	<R>
D60003-06		11EQS04	DIODE	4	<R>
D60008		MA3043-M	DIODE	1	<R>
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D60501,02		MA151K	DIODE	2	<R>
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D60506		MA151K	DIODE	1	<R>
FA2202		VLF1036D101	FILTER	1	
FL2201-06		VLF0634	FILTER	6	
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IC60003		MN1382-R	IC	1	<R>
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J2201		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2203		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2206		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J2401		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
J60001		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1501		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
K1502		ERDS2T0	C.RESISTOR 1/4W 0	1	
L1501		VLQEL06F101K	COIL 100UH	1	
L1502,03		VLP0074	COIL	2	
L2001,02		VLQEL05S470J	COIL 47UH	2	
L2004-06		VLQEL05S470J	COIL 47UH	3	
L2007		VLP0054	COIL	1	
L2008		VLQEL05S470J	COIL 47UH	1	
L2201,02		VLQEL05S2R2K	COIL 2.2UH	2	
L2203-05		VLP0054	COIL	3	
L2206,07		VLQEL05S2R2K	COIL 2.2UH	2	
L2208		VLQEL05S470J	COIL 47UH	1	
L2301-03		VLQEL05S470J	COIL 47UH	3	
L2401		VLQEL05S470J	COIL 47UH	1	
L2502		VLQEL05S470J	COIL 47UH	1	
L2701		VLQ0128	COIL	1	
L2702-04		VLQ0129	COIL	3	
L2705		VLQEL05S470J	COIL 47UH	1	
L2707		VLQEL05S470J	COIL 47UH	1	
L2711		VLQEL05S470J	COIL 47UH	1	
L60002		VLQEL05S470J	COIL 47UH	1	
L60501		VLQEL05S150K	COIL 15UH	1	
P1501		VJP1146	CONNECTOR (MALE)	1	
P1502		VJP3076	CONNECTOR (MALE)	1	
P1503		VJP1147	CONNECTOR (MALE)	1	
P2201-03		VJS3202B020Z	CONNECTOR (FEMALE)	3	
P2301		VJP1230T	CONNECTOR (MALE)	1	
P2701		VJP3078	CONNECTOR (MALE)	1	
P2702		VJP3083	CONNECTOR (MALE)	1	
P2703		VJS2149W	CONNECTOR (FEMALE)	1	
P60003		VJS3135	CONNECTOR (FEMALE)	1	
P60501		VJS2149W	CONNECTOR (FEMALE)	1	
P60502		VJP1230T	CONNECTOR (MALE)	1	
P60503		VJS3134	CONNECTOR (FEMALE)	1	
Q1501		2SD1474	TRANSISTOR	1	<R>
Q1502		2SD973A-R	TRANSISTOR	1	<R>
Q1503		2SD1474	TRANSISTOR	1	<R>
Q1504		2SD1273	TRANSISTOR	1	<R>
Q1505		2SD973A	TRANSISTOR	1	<R>
Q2001		MSC2295-B	TRANSISTOR	1	<R>
Q2303-05		MSD601-R	TRANSISTOR	3	<R>
Q2703		MSB709-R	TRANSISTOR	1	<R>
Q2704		2SB1151	TRANSISTOR	1	<R>
Q2705-07		2SD601A-R	TRANSISTOR	3	<R>

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
Q2709-11		2SB772	TRANSISTOR	3	<R>
Q2713-16		MSB709-R	TRANSISTOR	4	<R>
Q60001		2SD638	TRANSISTOR	1	<R>
Q60002		MSB709-R	TRANSISTOR	1	<R>
Q60003		2SB819	TRANSISTOR	1	<R>
Q60004		MSD601-R	TRANSISTOR	1	<R>
Q60005		2SB819	TRANSISTOR	1	<R>
Q60006		MSD601-R	TRANSISTOR	1	<R>
Q60007		MSD602-R	TRANSISTOR	1	<R>
Q60501-03		MSD601-R	TRANSISTOR	3	<R>
Q60504		2SB819	TRANSISTOR	1	<R>
Q60505		MSD601-R	TRANSISTOR	1	<R>
Q60506		2SD1273-Q	TRANSISTOR	1	<R>
Q60507		MSD601-R	TRANSISTOR	1	<R>
Q60508		2SB941	TRANSISTOR	1	<R>
Q60509		MSD601-R	TRANSISTOR	1	<R>
QR1502		MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR1503		MRN1402	TRANSISTOR	1	<R>
QR1541		UN2219	TRANSISTOR-RESISTOR	1	
QR2003		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2005		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2304,05		MRN2402	TRANSISTOR-RESISTOR	2	<R>
QR2306		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2308		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR2309		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2402		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR2501-05		MRN1404	TRANSISTOR-RESISTOR	5	<R>
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QR2702		MRN2404	TRANSISTOR-RESISTOR	1	<R>
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QR60001		MRN2402	TRANSISTOR-RESISTOR	1	<R>
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QR60004		MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR60006,07		MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR60012		UN2219	TRANSISTOR-RESISTOR	1	
QR60013		MRN1402	TRANSISTOR	1	<R>
QR60501		MRN1402	TRANSISTOR	1	<R>
QR60502		UN211F	TRANSISTOR-RESISTOR	1	
QR60503		MRN1404	TRANSISTOR-RESISTOR	1	<R>
			RESISTORS		
R1501		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1502		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R1504		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1505		VRE0034E103	M.RESISTOR CH 1/10W 10K	1	
R1506		VRE0034E473	M.RESISTOR CH 1/10W 47K	1	
R1507		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1509		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R1510		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R1511		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R1512-14		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R1515		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1516-18		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R1519		ERDS2TJ333	C.RESISTOR 1/4W 33K	1	
R1520		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R1521		ERDS2TJ221	C.RESISTOR 1/4W 220	1	
R1522		ERDS2TJ181	C.RESISTOR 1/4W 180	1	
R1525		ERDS2TJ222	C.RESISTOR 1/4W 2.2K	1	
R1526,27		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	2	
R1528,29		ERDS2TJ181	C.RESISTOR 1/4W 180	2	
R1531		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R1532		VRE0034E562	M.RESISTOR CH 1/10W 5.6K	1	
R1533		VRE0034E392	M.RESISTOR CH 1/10W 3.9K	1	
R1534		VRE0034E222	M.RESISTOR CH 1/10W 2.2K	1	
R1535		ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R1536		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R1541,42		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2001		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2002		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R2004		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2005-07		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	3	
R2008		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2009,10		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R2013		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2017,18		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2019		ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R2020		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2021		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R2022		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2027		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2028		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2029		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2030		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2031		ERJ6GEYG241	M.RESISTOR CH 1/16W 240	1	
R2032		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2033		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2036		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2046		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2047		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2048		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2049		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2054-56		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R2059,60		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	2	
R2062		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2064-66		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R2201		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2202		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2203		ERJ6GEYJ331	M.RESISTOR CH1/16W 330	1	
R2205,06		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2207		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2208		ERJ6GEYG104	M.RESISTOR CH1/16W 100K	1	
R2211		ERJ6GEYG473	M.RESISTOR CH1/16W 47K	1	
R2212		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2213-18		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	6	
R2220-23		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	4	
R2240		ERJ6GEYG473	M.RESISTOR CH1/16W 47K	1	
R2241		ERJ6GEYG104	M.RESISTOR CH1/16W 100K	1	
R2242		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2243,44		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2331		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2333		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R2334		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2335		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2336		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2337		ERJ6GEYG242	M.RESISTOR CH1/16W 2.4K	1	
R2338		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R2339		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2340,41		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	2	
R2342		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R2343		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2344		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2345		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R2346		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2347		ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R2352		ERJ6GEYJ752	M.RESISTOR CH1/16W 7.5K	1	
R2353,54		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2355		ERJ6GEYJ752	M.RESISTOR CH1/16W 7.5K	1	
R2356		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2357,58		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	2	
R2359		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2360,61		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R2362		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2363		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R2364		ERJ6GEYG913	M.RESISTOR CH1/16W 91K	1	
R2370,71		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2379		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2401		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2402,03		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R2406		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R2407,08		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2409		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2410		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2501		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R2502		ERJ6GEYJ334	M.RESISTOR CH1/16W 330K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2503	ERJ6GEYJ274	M.RESISTOR CH1/16W 270K	1	
R2504	ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R2505	ERJ6GEYJ334	M.RESISTOR CH1/16W 330K	1	
R2506	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2507-10	ERJ6GEYG104	M.RESISTOR CH1/16W 100K	4	
R2511-15	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	5	
R2516	ERJ6GEYG393	M.RESISTOR CH1/16W 39K	1	
R2517	ERJ6GEYG223	M.RESISTOR CH1/16W 22K	1	
R2518-20	ERJ6GEYG124	M.RESISTOR CH1/16W 120K	3	
R2521	ERJ6GEYG154	M.RESISTOR CH1/16W 150K	1	
R2522	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2523,24	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R2701	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R2709,10	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2711	ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R2712	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2713	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2714-17	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R2718	ERG2SJ561	M.RESISTOR 2W 560	1	
R2719	ERDS2TJ270	C.RESISTOR 1/4W 27	1	
R2725	ERJ6GEYJ334	M.RESISTOR CH1/16W 330K	1	
R2727	ERDS2TJ150	C.RESISTOR 1/4W 15	1	
R2729	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2730	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2731	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2732	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R2733	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2734	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2735	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2736	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R2738,39	ERDS2TJ150	C.RESISTOR 1/4W 15	2	
R2740	ERX12SJR68	M.RESISTOR 1/2W 0.68	1	
R2741,42	ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	2	
R2743	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R2747	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2748	ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R2751	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R2752-54	ERDS2TJ330	C.RESISTOR 1/4W 33	3	
R2755	ERX12SJR47	M.RESISTOR 1/2W 0.47	1	
R2756	ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R2757	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2758	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2759	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2760	ERJ6GEYJ184	M.RESISTOR CH1/16W 180K	1	
R2761,62	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2763,64	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2765	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2766	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2767	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R2768	ERJ6GEYJ184	M.RESISTOR CH1/16W 180K	1	
R2769,70	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2771,72	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R2773,74	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2775	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2776	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2777	ERJ6GEYJ334	M.RESISTOR CH1/16W 330K	1	
R2778-82	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	5	
R2783	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2784	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2785	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R2786,87	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2788	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2789	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2790	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2791	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2792	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2793	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R2794	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R2795	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R2796	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R2799,00	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R2803	ERG2SJ221	M.RESISTOR 2W 220	1	
R2821	ERDS2TJ682	C.RESISTOR 1/4W 6.8K	1	
R2828,29	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	2	
R2830	ERDS2TJ391	C.RESISTOR 1/4W 390	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2831	ERDS2TJ561	C.RESISTOR 1/4W 560	1	
R2832	ERDS2TJ562	C.RESISTOR 1/4W 5.6K	1	
R2833	ERDS2TJ391	C.RESISTOR 1/4W 390	1	
R2834	ERDS2TJ182	C.RESISTOR 1/4W 1.8K	1	
R2835	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R2836	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R2838,39	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2840	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2841	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2842,43	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R2844	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R2845	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R2846-48	ERJ6GEYJ271	M.RESISTOR CH1/16W 270	3	
R2849	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R2850	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	
R2862,63	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R60001	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60002	ERD2FCG220	M.RESISTOR 2W 22	1	
R60003	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60004	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R60005	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R60006	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60007	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R60008	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60009	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R60010	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R60011	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R60012	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R60013	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R60015	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60016	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R60017,18	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R60019	ERDS2TJ472	C.RESISTOR 1/4W 4.7K	1	
R60020	ERDS2TJ471	C.RESISTOR 1/4W 470	1	
R60021-24	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R60026-29	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R60030	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R60031	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60032-35	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	4	
R60037	ERD2FCJ4R7	M.RESISTOR 2W 4.7	1	
R60038	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60039	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R60043,44	ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	2	
R60045	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60046	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R60047	ERG1SJ330	M.RESISTOR 1W 33	1	
R60055	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60056	ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R60057	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R60058	ERJ6GEYJ393	M.RESISTOR CH1/16W 39K	1	
R60059	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60060	ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R60101	ERJ6GEYG102	M.RESISTOR CH1/16W 1K	1	
R60102	ERJ6GEYG302	M.RESISTOR CH1/16W 3K	1	
R60103-05	ERJ6GEYG102	M.RESISTOR CH1/16W 1K	3	
R60106	ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R60107	ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R60108-11	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	4	
R60501	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R60502,03	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	2	
R60504	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R60505	ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R60506	ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R60507,08	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R60509	ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R60510,11	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	2	
R60512	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R60513	ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R60514	ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R60515	ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R60516	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R60517,18	ERJ6GEYJ821	M.RESISTOR CH1/16W 820	2	
R60519	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R60520,21	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	2	
R60522	ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R60523		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R60524		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R60525		ERDS2TJ151	C.RESISTOR 1/4W 150	1	
R60526		ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R60527,28		ERG1SJ300	M.RESISTOR 1W 30	2	
R60529		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R60530		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
T1501		ETE13K86AY	TRANSFORMER	1	
VR2001		EVN32CA00B54	V.RESISTOR 50K	1	
VR2003		EVN32CA00B15	V.RESISTOR 100K	1	
W2001,02		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
W2301		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
X2001		VSX0296	CRYSTAL OSCILLATOR	1	<R>
X2002		VSX0060	CRYSTAL OSCILLATOR	1	<R>
X2201		VSX0197	CRYSTAL OSCILLATOR	1	<R>
X2401		VSX0086	CRYSTAL OSCILLATOR	1	<R>
X2701		VSX0136	CRYSTAL OSCILLATOR	1	<R>
X60001		VSX0230	CRYSTAL OSCILLATOR	1	<R>
			MISCELLANEOUS		
E43		VMX0985	SPACER	2	
E52		XYN3+F8	SCREW	2	
E80		VSC4042	HEAT SINK	2	
E82		VMC0493	HEAT SINK SPRING	1	
E84		VMC0075	HEAT SINK SPRING	1	
E83		VSC1215	HEAT SINK	1	
E42		VJF0816	CLAMPER	1	
E81		VSC1689	HEAT SINK	1	
		VEP08159A	P.C.BOARD W/COMPONENT		
			TBC (1)		
		VEP08170A	P.C.BOARD W/COMPONENT		ON VEP08159A
			DMS SUB		
			CAPACITORS		
C8001,02		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8003		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8004-12		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C8014-20		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	7	
C8021		ECEV0JV220Q	E.CAPACITOR CH6.3V 22U	1	
C8025		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8051,52		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8053		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8054		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8055		ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8056		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8059		ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8060		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8062,63		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8064		ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8065		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C8066		ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C8067		ECEV1HV2R2Q	E.CAPACITOR CH 50V 2.2U	1	
C8068-79		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	12	
C8101,02		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C8103		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8106		ECUM1H181JUN	C.CAPACITOR 50V 180P	1	
C8107		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8108		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8109,10		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8111		ECEV1HV3R3Q	E.CAPACITOR CH 50V 3.3U	1	
C8112		ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8113		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8114		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8115		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8116		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8117		ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8118		ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8119		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8120		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8121		ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8122-25		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8126		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8127		ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C8128		ECUM1H682KBN	C.CAPACITOR CH 50V 6800P	1	
C8129		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8131		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8134		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8135,36		ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8138		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8139		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8140		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8141		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C8142,43		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8145		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8146		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8147-49		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8150		ECUM1H123KBN	C.CAPACITOR CH 50V 0.012U	1	
C8151		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8201		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8202		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8204		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8205		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8206		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8208-10		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8211		ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8212		ECEV1HVR47Q	E.CAPACITOR CH 50V 0.47U	1	
C8213		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8214,15		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8219		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8220		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8221		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8222		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8223		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8225		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8226		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8227		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8228		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8229-32		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8233		ECEV1HVR47Q	E.CAPACITOR CH 50V 0.47U	1	
C8234		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8235,36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8238		ECUM1H120JCN	C.CAPACITOR CH 50V 12P	1	
C8239		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8240		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8241		ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8242		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8244-46		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8247		ECEV1HVR47Q	E.CAPACITOR CH 50V 0.47U	1	
C8248		ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8252		ECUM1H080DCN	C.CAPACITOR CH 50V 8P	1	
C8253		ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8254		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8256		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8301-09		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C8310		ECUM1H050DCN	C.CAPACITOR CH 50V 5P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8311-13	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8314	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8315,16	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8317	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8318-20	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8322	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8326	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8401-12	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	12	
C8501	ECQB1H683JF	P.CAPACITOR 50V 0.068U	1	
C8502	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8503	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8506	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8507,08	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C8509	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8510	ECEV1HV100Q	E.CAPACITOR CH 50V 10U	1	
C8511	ECUM1H223KBN	C.CAPACITOR CH 50V 0.022U	1	
C8512	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8513	ECUM1H333KBN	C.CAPACITOR CH 50V 0.033U	1	
C8514	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8515	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8516	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8517	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8519-22	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
D8001,02	MA151K	DIODE	2	<R>
D8053	MA3051L	DIODE	1	<R>
D8054	MA3033-L	DIODE	1	<R>
D8101	MA335-R	DIODE	1	<R>
D8102	MA165	DIODE	1	<R>
D8201-05	MA736	DIODE	5	<R>
D8550,51	11EQS04	DIODE	2	<R>
FL8201	ELB4R042	FILTER	1	
FL8202,03	VLF0757	FILTER	2	
FL8550,51	VLF1016A223	FILTER	2	
FL8553-55	VLF1016A223	FILTER	3	
FL8556-59	VLF1016A470	FILTER	4	
FL8560	VLF1016A223	FILTER	1	
FL8561-63	VLF1016A470	FILTER	3	
FL8564-66	VLF1016A223	FILTER	3	
IC8001	CXD1175AM	IC	1	<R>
IC8002	MC74HC574AF	IC	1	<R>
IC8003	MN53030VMB	IC	1	<R>
IC8004-07	MB81C1501PF	IC	4	<R>
IC8008	MC74HC574AF	IC	1	<R>
IC8009	HM63021FP	IC	1	<R>
IC8010	UPD65013F101	IC	1	<R>
IC8011	74F86SJ	IC	1	<R>
IC8012	MN1382-R	IC	1	<R>
IC8013	MC74HC74AF	IC	1	<R>
IC8014	74F86SJ	IC	1	<R>
IC8015	MC74HC574AF	IC	1	<R>
IC8016	NJM78L05UA	IC	1	<R>
IC8051	AN78L09	IC	1	<R>
IC8052	AN78L05	IC	1	<R>
IC8053-55	NJM4565MD	IC	3	<R>
IC8056	MC74HC574AF	IC	1	<R>
IC8057	MB40778PF	IC	1	<R>
IC8101	CXD1229Q	IC	1	<R>
IC8102	SN74LS123NS	IC	1	<R>
IC8104	SC371021AFU	IC	1	<R>
IC8109	MC74HC86F	IC	1	<R>
IC8110	MC74HC00AF	IC	1	<R>
IC8112	SN74LS221NS	IC	1	<R>
IC8113	SN74LS123NS	IC	1	<R>
IC8114,15	TC7S14F	IC	2	<R>
IC8116	UPD65612BY09	IC	1	<R>
IC8118	SN74LS221NS	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC8119	MC74HC4053F	IC	1	<R>
IC8120	MC74HC74AF	IC	1	<R>
IC8121	MC74HC00AF	IC	1	<R>
IC8122	MM74HC221AM	IC	1	<R>
IC8201	NJM78L09UA	IC	1	<R>
IC8202	NJM082BM	IC	1	<R>
IC8203	MC14577BF	IC	1	<R>
IC8204	NJM082BM	IC	1	<R>
IC8205	MC14577BF	IC	1	<R>
IC8206	NJM082BM	IC	1	<R>
IC8207,08	TC7S66F	IC	2	<R>
IC8210	TC7S66F	IC	1	<R>
IC8211	MC74HC08AF	IC	1	<R>
IC8212	MC74HC32AF	IC	1	<R>
IC8301	ZA4001	IC	1	<R>
IC8302	SC371021AFU	IC	1	<R>
IC8303,04	MB81C1501PF	IC	2	<R>
IC8306	MC74HC86F	IC	1	<R>
IC8308	AN78L05	IC	1	<R>
IC8309	MC74HC4053F	IC	1	<R>
IC8312	AN78L05	IC	1	<R>
IC8401	CG24143-4148	IC	1	<R>
IC8402	MC74HC32AF	IC	1	<R>
IC8403	TC7S32F	IC	1	<R>
IC8404	MC74HC08AF	IC	1	<R>
IC8501	MN6755240H7N	IC	1	<R>
IC8502	LM358PS	IC	1	<R>
IC8503	MC14070BF	IC	1	<R>
IC8504	MN1382-R	IC	1	<R>
IC8506	BA225F	IC	1	<R>
L8001	VLQ0319K101	COIL 100UH	1	
L8002	VLF1016A223	FILTER	1	
L8052,53	VLQ0319K101	COIL 100UH	2	
L8101	VLQ0319K101	COIL 100UH	1	
L8102	VLQ0133J471	COIL 470UH	1	
L8103	VLQ0163J4R7	COIL 4.7UH	1	
L8104	VLQ0319K101	COIL 100UH	1	
L8201-03	VLQ0319K101	COIL 100UH	3	
L8550,51	VLQ0319K1R0	COIL 1UH	2	
P934	VJP3176B100	CONNECTOR (MALE)	1	
Q8101	MSD601-R	TRANSISTOR	1	<R>
Q8102	MSB709-R	TRANSISTOR	1	<R>
Q8103	MSD601-R	TRANSISTOR	1	<R>
Q8201-07	MSD601-R	TRANSISTOR	7	<R>
QR8101	MRN1404	TRANSISTOR-RESISTOR	1	<R>
QR8104	MRN2402	TRANSISTOR-RESISTOR	1	<R>
QR8501,02	MRN1404	TRANSISTOR-RESISTOR	2	<R>
QR8503	MRN1402	TRANSISTOR	1	<R>
		RESISTORS		
R8009	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8010,11	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8051	ERJ6GEYJ303	M.RESISTOR CH1/16W 30K	1	
R8052	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8053	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R8055	ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R8056	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R8057	ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R8060	ERJ6GEYJ203	M.RESISTOR CH1/16W 20K	1	
R8064	ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8066	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8067		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8072-79		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	8	
R8080,81		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	2	
R8082		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8083		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8084		ERJ6GEYJ183	M.RESISTOR CH1/16W 18K	1	
R8085		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8101		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8102		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R8103		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8104		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8105		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8106,07		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	2	
R8108		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8109		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R8110		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8111		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8112		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R8113		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8114		ERJ6GEYG680	M.RESISTOR CH1/16W 68	1	
R8115		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8116		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8117		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8118		ERJ6GEYJ121	M.RESISTOR CH1/16W 120	1	
R8119		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8120		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8121		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8122,23		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R8124		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8125		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R8126		ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R8128		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R8131		ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R8132		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8133		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R8138		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8139		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8147,48		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	2	
R8149		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8150-52		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R8153		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8154		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8155		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8156		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8159-61		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	3	
R8187		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8202		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R8203		ERJ6GEYJ123	M.RESISTOR CH1/16W 12K	1	
R8205		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8207		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8208		ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R8209		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8211		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8212		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8213		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8214		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8215		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R8216		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8218,19		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	2	
R8221		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8223		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8225		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8227		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8228		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8229		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8230		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8231		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8232		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8235		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8236		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8238		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8240		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8241		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8242		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8243		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8244		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8245		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8246		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8247		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8248		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8249		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8250		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8251,52		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	2	
R8253		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8254		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8255		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8257		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8258-60		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R8261-63		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	3	
R8303		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8304		ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8305		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R8309		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8311		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R8313-16		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	4	
R8420		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8501		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8502,03		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R8504		ERJ6GEYG471	M.RESISTOR CH1/16W 470	1	
R8505		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8506		ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R8507		ERJ6GEYJ564	M.RESISTOR CH1/16W 560K	1	
R8508		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8509		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8510		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8511-18		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	8	
R8520		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8521		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R8523-25		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R8526		ERJ6GEYG272	M.RESISTOR CH1/16W 2.7K	1	
R8529,30		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R8550		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8551-53		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R8554-56		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	3	
R8557-60		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	4	
R8561-66		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	6	
R8567-69		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	3	
R8570-75		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	6	
R8577		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R8578-81		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	4	
VC8101		VCV0047	TRIMMER	1	
VR8001		EVN32CA00B53	V.RESISTOR 5K	1	
VR8002		EVN32CA00B23	V.RESISTOR 2K	1	
VR8101		EVM7JGA00B13	V.RESISTOR 1K	1	
VR8102,03		EVM7DGA00B23	V.RESISTOR 2K	2	
VR8201		EVN32CA00B53	V.RESISTOR 5K	1	
VR8202		EVN32CA00B13	V.RESISTOR 1K	1	
VR8203		EVM7DGA00B53	V.RESISTOR 5K	1	
VR8204		EVM7DGA00B13	V.RESISTOR 1K	1	
VR8205		EVN32CA00B13	V.RESISTOR 1K	1	
VR8301		EVM7JGA00B13	V.RESISTOR 1K	1	
VR8302		EVN32CA00B13	V.RESISTOR 1K	1	
VR8501		EVN32CA00B54	V.RESISTOR 50K	1	
X8501		VSX0519	CRYSTAL OSCILLATOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP08160A	P.C.BOARD W/COMPONENT		
		TBC (2)		
		CAPACITORS		
C8601,02	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	
C8603	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8604	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8605	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8606,07	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	2	
C8608	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8609	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8610	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8611,12	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8613	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C8614	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8615	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8616,17	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	2	
C8618	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8619	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8620-22	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8623	ECUM1H390JCN	C.CAPACITOR CH 50V 39P	1	
C8624	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8625	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8626,27	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	2	
C8628	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C8629	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8630	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8631	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8632	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8633	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8634	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8635	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8636	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8637	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8640	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8641	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8642	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8643	ECEV1HN010Q	E.CAPACITOR CH 50V 1U	1	
C8644	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8645	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8656-60	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8662	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8663	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8664	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8665	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8671	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8672	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8673	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8674	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8675	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8676	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8677	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8678	ECEV1VAN2R2	E.CAPACITOR CH 35V 2.2U	1	
C8679	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8680	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8681	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8682	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8683,84	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8685	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8686,87	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	2	
C8688	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	
C8689	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8690	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8691	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8692	ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C8693,94	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8701	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8702	ECEV1CN100Q	E.CAPACITOR CH 16V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8703	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8704	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8705	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8706	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8707	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8708	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8709-13	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	5	
C8714	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8715	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8716-21	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	6	
C8722	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	
C8723	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8801	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8802	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8803	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8804,05	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8806	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8807,08	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8809,10	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	2	
C8813-15	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8816	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C8819	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8820	ECUM1H151JCN	C.CAPACITOR CH 50V 150P	1	
C8821	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	
C8822,23	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	2	
C8824	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	
C8826	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	
C8827	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8828	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C8829	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8830	ECEV0JV101Q	E.CAPACITOR CH6.3V 100U	1	
C8832	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8833	ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C8835	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C8836,37	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8840	ECEV1CV470Q	E.CAPACITOR CH 16V 47U	1	
C8841	ECEV1CV220Q	E.CAPACITOR CH 16V 22U	1	
C8842,43	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8846	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C8847	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8848	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8849-51	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8852	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C8853	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8854	ECEV1HV010Q	E.CAPACITOR CH 50V 1U	1	
C8855	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8856	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8857	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8859-62	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	4	
C8863	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8864	ECUM1E473KBN	C.CAPACITOR CH 25V 0.047U	1	
C8865	ECUM1H330JCN	C.CAPACITOR CH 50V 33P	1	
C8866	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8867	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	1	
C8868	ECUM1H070DCN	C.CAPACITOR CH 50V 7P	1	
C8869	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	
C8870	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	
C8871	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	
C8882,83	ECUM1H680JCN	C.CAPACITOR CH 50V 68P	2	
C8884	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8885	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8886	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8887	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8889	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8890,91	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8892	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8893,94	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8895	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8896,97	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8898,99	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C8900	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8901,02	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8903	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8904,05	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8906	ECUM1H100DCN	C.CAPACITOR CH 50V 10P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C8907,08	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8909	ECUM1H271JCN	C.CAPACITOR CH 50V 270P	1	
C8910	ECUM1H221JCN	C.CAPACITOR CH 50V 220P	1	
C8911,12	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	2	
C8913	ECUM1H181JCN	C.CAPACITOR CH 50V 180P	1	
C8914	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8915	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	
C8920	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8921	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8922	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8923	ECEV0GV470Q	E.CAPACITOR CH 4V 47U	1	
C8924	ECEV0JV470Q	E.CAPACITOR CH6.3V 47U	1	
C8926-28	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
C8930	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8932	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	
C8938	ECEV1CV100Q	E.CAPACITOR CH 16V 10U	1	
C8939	ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C8940,41	ECUM1H120JCN	C.CAPACITOR CH 50V 12P	2	
D8601	MA151WK	DIODE	1	<R>
D8604,05	MA723	DIODE	2	<R>
D8671	MA151K	DIODE	1	<R>
D8672	MA335-R	DIODE	1	<R>
D8673	MA151K	DIODE	1	<R>
D8701	MA151K	DIODE	1	<R>
D8801,02	MA335-R	DIODE	2	<R>
D8803	MA151K	DIODE	1	<R>
D8804	MA723	DIODE	1	<R>
FL8601-05	VLF1016A223	FILTER	5	
FL8671	VLF1016A223	FILTER	1	
FL8701	VLF1016A223	FILTER	1	
FL8801	VLF0921	FILTER	1	
FL8802,03	VLF0757	FILTER	2	
IC8601	AN91A12S	IC	1	<R>
IC8602	NE521D	IC	1	<R>
IC8603,04	MN74HC221S	IC	2	<R>
IC8605	NJM082BM	IC	1	<R>
IC8606	MN74HC221S	IC	1	<R>
IC8607	MC74HC04AF	IC	1	<R>
IC8608	MC74HC125AF	IC	1	<R>
IC8609	NJM082BM	IC	1	<R>
IC8613	NJM78L09UA	IC	1	<R>
IC8671	MC14053BF	IC	1	<R>
IC8672	NJM082BM	IC	1	<R>
IC8673	NE521D	IC	1	<R>
IC8674	NJM78L09UA	IC	1	<R>
IC8701	UPD65650J163	IC	1	<R>
IC8702	MN74HC221S	IC	1	<R>
IC8703	MC74HC04AF	IC	1	<R>
IC8704	TC7S08F	IC	1	<R>
IC8705	NJM082BM	IC	1	<R>
IC8706	TC7W04F	IC	1	<R>
IC8801	MC14577BF	IC	1	<R>
IC8802	BA7655AF	IC	1	<R>
IC8803	MM74HC221AM	IC	1	<R>
IC8804	MC14577BF	IC	1	<R>
IC8805	NJM082BM	IC	1	<R>
IC8806	M51272FP	IC	1	<R>
IC8807	TC7S04F	IC	1	<R>
IC8808	MC14053BF	IC	1	<R>
IC8809	MC14013BF	IC	1	<R>
IC8810	LM358PS	IC	1	<R>
IC8811	TC4S66F	IC	1	<R>
IC8812	LM358PS	IC	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L8601	VLQ0319K101	COIL 100UH	1	
L8602	VLQ0319K221	COIL 220UH	1	
L8603	VLQ0163J680	COIL 68UH	1	
L8604	VLQ0319K470	COIL 47UH	1	
L8605,06	VLP0133	COIL	2	
L8612	VLQ0319K470	COIL 47UH	1	
L8671	VLQ0319K470	COIL 47UH	1	
L8672	VLQ0163J221	COIL 220UH	1	
L8673	VLQ0319K470	COIL 47UH	1	
L8674	VLP0133	COIL	1	
L8701	VLQ0319K470	COIL 47UH	1	
L8702	VLP0145	COIL	1	
L8801,02	VLQ0319K101	COIL 100UH	2	
L8803	VLQ0163J180	COIL 18UH	1	
L8804	VLQ0163J560	COIL 56UH	1	
L8805	VLQ0163J470	COIL 47UH	1	
L8806,07	VLQ0319K101	COIL 100UH	2	
L8812	VLQ0319K101	COIL 100UH	1	
L8813	VLQ0163J270	COIL 27UH	1	
L8814	VLQ0163J6R8	COIL 6.8UH	1	
L8815	VLQ0163J5R6	COIL 5.6UH	1	
L8818,19	VLQ0319K101	COIL 100UH	2	
L8820,21	VLQ0163J470	COIL 47UH	2	
L8822	VLQ0319K101	COIL 100UH	1	
L8823	VLQ0163J470	COIL 47UH	1	
L8824-27	VLQ0319K101	COIL 100UH	4	
L8828,29	VLQ0163J100	COIL 10UH	2	
P8933	VJP3176B100	CONNECTOR (MALE)	1	
Q8671	MSB709-R	TRANSISTOR	1	<R>
Q8672,73	2SK608-Q	TRANSISTOR	2	<R>
Q8701	MSD601-R	TRANSISTOR	1	<R>
Q8801-03	MSD601-R	TRANSISTOR	3	<R>
Q8804	MSB709-R	TRANSISTOR	1	<R>
Q8805,06	MSD601-R	TRANSISTOR	2	<R>
Q8808,09	MSD601-R	TRANSISTOR	2	<R>
Q8810	2SA1022-B	TRANSISTOR	1	<R>
Q8811	MSD601-R	TRANSISTOR	1	<R>
Q8812	2SA1022-B	TRANSISTOR	1	<R>
Q8813-15	MSD601-R	TRANSISTOR	3	<R>
Q8816	MSB709-R	TRANSISTOR	1	<R>
Q8817	MSC2295-B	TRANSISTOR	1	<R>
Q8818,19	MSB709-R	TRANSISTOR	2	<R>
Q8820	MSC2295-B	TRANSISTOR	1	<R>
Q8821	MSB709-R	TRANSISTOR	1	<R>
Q8822	MSC2295-B	TRANSISTOR	1	<R>
Q8823	MSB709-R	TRANSISTOR	1	<R>
Q8824,25	MSD601-R	TRANSISTOR	2	<R>
Q8827,28	MSD601-R	TRANSISTOR	2	<R>
Q8832	XN1213	TRANSISTOR	1	<R>
		RESISTORS		
R8601	ERJ6GEYJ224	M.RESISTOR CH1/16W 220K	1	
R8602	ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R8603	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8604,05	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	2	
R8606	ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R8607-10	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	4	
R8611	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R8612	ERJ6GEYJ184	M.RESISTOR CH1/16W 180K	1	
R8613,14	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	2	
R8615	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R8616	ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R8617	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R8618	ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R8619	ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R8620	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8621	ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8622,23		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R8624		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R8625		ERJ6GEYJ823	M.RESISTOR CH1/16W 82K	1	
R8626		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8628		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R8630		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8631		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8635		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8671		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8672		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8673		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8674		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8675		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8677		ERJ6GEYJ333	M.RESISTOR CH1/16W 33K	1	
R8678		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8679		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8680		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8681		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8682		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R8683		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R8684		ERJ6GEYJ153	M.RESISTOR CH1/16W 15K	1	
R8685,86		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	2	
R8687,88		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R8689		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8690		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R8691		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R8692		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8693		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8702		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8703		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R8704		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8705		ERJ6GEYJ684	M.RESISTOR CH1/16W 680K	1	
R8706		ERJ6GEYJ273	M.RESISTOR CH1/16W 27K	1	
R8707		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R8708		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8709		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R8710		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8713		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8715		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8717-21		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	5	
R8722-27		ERJ6GEYJ560	M.RESISTOR CH1/16W 56	6	
R8728		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8729		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8731,32		ERJ6GEYJ560	M.RESISTOR CH1/16W 56	2	
R8733,34		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	2	
R8735		ERJ6GEYJ560	M.RESISTOR CH1/16W 56	1	
R8736		ERJ6GEYJ101	M.RESISTOR CH1/16W 100	1	
R8737		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8739		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8740		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8741		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8801,02		ERJ6GEYG102	M.RESISTOR CH1/16W 1K	2	
R8803		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8804		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8805		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8806		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8807		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8808		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8809		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8810-12		ERJ6GEYG102	M.RESISTOR CH1/16W 1K	3	
R8813		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8814		ERJ6GEYG102	M.RESISTOR CH1/16W 1K	1	
R8815		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8816		ERJ6GEYG470	M.RESISTOR CH1/16W 47	1	
R8817		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8818		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8822		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8823		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R8824		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8825		ERJ6GEYJ271	M.RESISTOR CH1/16W 270	1	
R8826		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8827		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8828		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8829		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8830		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R8831		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8832		ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R8833		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8834		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8836		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
R8838		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8839		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8840		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8841		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8842		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R8843		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8844		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8846		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R8849		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R8850		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R8851		ERJ6GEYG163	M.RESISTOR CH1/16W 16K	1	
R8853		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8855		ERJ6GEYG103	M.RESISTOR CH1/16W 10K	1	
R8856		ERJ6GEYG163	M.RESISTOR CH1/16W 16K	1	
R8857		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8860		ERJ6GEYG301	M.RESISTOR CH1/16W 300	1	
R8861		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8862		ERJ6GEYG301	M.RESISTOR CH1/16W 300	1	
R8864,65		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	2	
R8866		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R8867		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R8869		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8870		VRE0034E122	M.RESISTOR CH 1/10W 1.2K	1	
R8871		VRE0034E272	M.RESISTOR CH 1/10W 2.7K	1	
R8873		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8875		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8876		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8877		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8878		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8880		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8881		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8882		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8883		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8884		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8885		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8886		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8887		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8888		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8889		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8890		ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8891		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8892		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8893		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R8894		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8895		ERJ6GEYJ472	M.RESISTOR CH1/16W 4.7K	1	
R8896		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8897		ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R8898		ERJ6GEYJ821	M.RESISTOR CH1/16W 820	1	
R8899		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8900		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8901		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8902		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8903		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8904		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R8905		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8906-08		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	3	
R8909		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8910		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8911		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R8912		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8913		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8914		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	
R8915		ERJ6GEYJ330	M.RESISTOR CH1/16W 33	1	
R8916		ERJ6GEYJ681	M.RESISTOR CH1/16W 680	1	
R8917		ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	1	
R8918		ERJ6GEYJ154	M.RESISTOR CH1/16W 150K	1	
R8919		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8920		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R8921,22		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	2	
R8923		ERJ6GEYJ122	M.RESISTOR CH1/16W 1.2K	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R8924	ERJ6GEYG181	M.RESISTOR CH1/16W 180	1	
R8925	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R8926	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8927	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	
R8940	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8941	ERJ6GEYG242	M.RESISTOR CH1/16W 2.4K	1	
R8942	ERJ6GEYF124	M.RESISTOR CH1/16W 120K	1	
R8943	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R8944	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8945	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R8947	ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R8948	ERJ6GEYJ682	M.RESISTOR CH1/16W 6.8K	1	
R8952	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8953,54	ERJ6GEYJ101	M.RESISTOR CH1/16W 100	2	
R8955-57	ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	3	
R8958	ERJ6GEYJ392	M.RESISTOR CH1/16W 3.9K	1	
R8959-63	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	5	
R8964,65	ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R8966	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8968	ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R8969	ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R8971	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8973	ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R8974	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8975,76	ERJ6GEYJ105	M.RESISTOR CH1/16W 1M	2	
R8979	ERJ6GEYJ683	M.RESISTOR CH1/16W 68K	1	
R8980	ERJ6GEYG912	M.RESISTOR CH1/16W 9.1K	1	
R8982	ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R8983	ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
SW8701	VSR0045	SWITCH	1	<R>
TH8801	ERTD2FHL102S	THERMISTOR	1	
VC8671	ECV1ZW20X60	TRIMMER	1	
VR8601	EVN32CA00B54	V.RESISTOR 50K	1	
VR8602	EVN32CA00B53	V.RESISTOR 5K	1	
VR8603	EVN32CA00B14	V.RESISTOR 10K	1	
VR8671	EVN32CA00B23	V.RESISTOR 2K	1	
VR8701	EVN32CA00B53	V.RESISTOR 5K	1	
VR8801,02	EVN32CA00B14	V.RESISTOR 10K	2	
VR8803	EVN32CA00B13	V.RESISTOR 1K	1	
VR8804	EVN32CA00B23	V.RESISTOR 2K	1	
VR8805	EVN32CA00B24	V.RESISTOR 20K	1	
VR8806	EVN32CA00B13	V.RESISTOR 1K	1	
VR8807,08	EVN32CA00B23	V.RESISTOR 2K	2	
VR8810,11	EVN32CA00B53	V.RESISTOR 5K	2	
VR8814	EVN32CA00B13	V.RESISTOR 1K	1	
VR8815	EVN32CA00B52	V.RESISTOR 500	1	
X8601	VSX0338	CRYSTAL OSCILLATOR	1	<R>
X8671	VSX0081	CRYSTAL OSCILLATOR	1	<R>

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
	VEP04424A	P.C.BOARD W/COMPONENT		
		XLR M		
		CAPACITORS		
C6710-13	ECKF1H103ZF	C.CAPACITOR 50V 0.01U	4	
J6722-25	VJP3417	CONNECTOR (MALE)	4	
P6706	VJP1246T	CONNECTOR (MALE)	1	
P6707	VJP1247T	CONNECTOR (MALE)	1	
	VEP06906A	P.C.BOARD W/COMPONENT		
		9P IN CONNECT		
P69005	VJP3076	CONNECTOR (MALE)	1	
P69006	VJS2074	CONNECTOR (FEMALE)	1	
		MISCELLANEOUS		
E85	VMP4229	CONNECTOR ANGLE	1	
E86	XSB3+6	SCREW	2	
	VEP06908B	P.C.BOARD W/COMPONENT		
		REAR AMP		
		CAPACITORS		
C4016	ECEA1CKS470	E.CAPACITOR 16V 47U	1	
C4017	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4018	ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C4019	ECEA1CKA101	E.CAPACITOR 16V 100U	1	
C4020	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4021	ECEA1EKA470	E.CAPACITOR 25V 47U	1	
C4022	ECEA1VKS470	E.CAPACITOR 35V 47U	1	
C4023	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4024,25	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4026	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4027,28	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4029	ECEA1CSN100	E.CAPACITOR 16V 10U	1	
C4030,31	ECEA1EKA470	E.CAPACITOR 25V 47U	2	
C4034	ECEA1CKS101	E.CAPACITOR 16V 100U	1	
C4035	ECEA1CKA220	E.CAPACITOR 16V 22U	1	
C4036-41	ECEA1CKA100	E.CAPACITOR 16V 10U	6	
C4042,43	ECEA1CKS100	E.CAPACITOR 16V 10U	2	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
C6611		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6612		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6613		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6614		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6615		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6616		ECEA1CKA470	E.CAPACITOR 16V 47U	1	
C6621,22		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	
C6623		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6624		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6628-36		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	9	
C6637-39		ECEA0JKA470	E.CAPACITOR 6.3V 47U	3	
C6640		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	1	
C6641		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6642		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6643		ECEA1HKS4R7	E.CAPACITOR 50V 4.7U	1	
C6644		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6645		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6646		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6647		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6648		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6649		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6650		ECEA1HKAR22	E.CAPACITOR 50V 0.22U	1	
C6651		ECUM1H150JCN	C.CAPACITOR CH 50V 15P	1	
C6652		ECUM1H270JCN	C.CAPACITOR CH 50V 27P	1	
C6653,54		ECUM1H220JCN	C.CAPACITOR CH 50V 22P	2	
C6655,56		ECUM1H330JCN	C.CAPACITOR CH 50V 33P	2	
C6657		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6658		ECEA0JKS470	E.CAPACITOR 6.3V 47U	1	
C6659		ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	
C6660		ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	
C6661		ECUM1H102KBN	C.CAPACITOR CH 50V 1000P	1	
C6662-64		ECUM1E104ZFN	C.CAPACITOR CH 25V 0.1U	3	
CT6601		ECV1ZW20X60	TRIMMER	1	
D4017		MA153A	DIODE	1	<R>
D6601		MA151K	DIODE	1	<R>
D6603		MA28WA	DIODE	1	<R>
IC4014-17		NJM4556MB	IC	4	<R>
IC6605-08		MC14577BF	IC	4	<R>
IC6609		MC14576BF	IC	1	<R>
IC6610		MN1280P	IC	1	<R>
IC6611		M50455-001SP	IC	1	<R>
IC6612		TC4S584F	IC	1	<R>
L6601-07		VLQEL05K101J	COIL 100UH	7	
L6608		VLQEL05K330J	COIL 33UH	1	
L6609,10		VLQEL05K560J	COIL 56UH	2	
L6611		VLQEL05K150J	COIL 15UH	1	
L6612		VLQEL05K101J	COIL 100UH	1	
P4006		VJP3490B13	CONNECTOR (MALE)	1	
P4007		VJP3092	CONNECTOR (MALE)	1	
P4009		VJP3490B13	CONNECTOR (MALE)	1	
P6601		VJS1490	CONNECTOR (FEMALE)	1	
P6602,03		VJP3490B13	CONNECTOR (MALE)	2	
P6605		VJS1490	CONNECTOR (FEMALE)	1	
P6606		VJP3076	CONNECTOR (MALE)	1	
P6607		VJP1243T	CONNECTOR (MALE)	1	
P6608		VJS1488	CONNECTOR (FEMALE)	1	
Q4010		2SD601-R	TRANSISTOR	1	<R>
Q4011		2SB710-R	TRANSISTOR	1	<R>
Q4015-17		2SD1306	TRANSISTOR	3	<R>
Q4021-23		2SD1306	TRANSISTOR	3	<R>
Q4027-29		2SD1306	TRANSISTOR	3	<R>
Q4033-35		2SD1306	TRANSISTOR	3	<R>
Q4036		MSB710-R	TRANSISTOR	1	<R>
Q6606		MSB709-R	TRANSISTOR	1	<R>
Q6609,10		XN4501	TRANSISTOR	2	<R>
Q6611		MSD601-R	TRANSISTOR	1	<R>
Q6612		XN4401	TRANSISTOR	1	<R>
QR6605		MRN2404	TRANSISTOR-RESISTOR	1	<R>
QR6606,07		MRN1404	TRANSISTOR-RESISTOR	2	<R>
			RESISTORS		
R4058		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4096,97		ERJ6GEYG151	M.RESISTOR CH1/16W 150	2	
R4107		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R4108		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R4109		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R4110		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4111		ERJ6GEYG912	M.RESISTOR CH1/16W 9.1K	1	
R4112		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4113,14		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4115		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4116		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R4117		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R4118		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4119-23		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	5	
R4133		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R4134,35		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4136		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4137		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4138		ERJ6GEYG912	M.RESISTOR CH1/16W 9.1K	1	
R4139,40		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4141		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4142		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R4143		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R4144		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4145-49		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	5	
R4159		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R4160,61		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4162		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4163		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4164,65		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4166		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R4167		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R4168		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R4169		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4170		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4171		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R4172		ERJ6GEYG912	M.RESISTOR CH1/16W 9.1K	1	
R4173-75		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R4185		ERJ6GEYJ473	M.RESISTOR CH1/16W 47K	1	
R4186,87		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4188		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4189		ERJ6GEYG912	M.RESISTOR CH1/16W 9.1K	1	
R4190		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4191,92		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	2	
R4193		ERJ6GEYJ822	M.RESISTOR CH1/16W 8.2K	1	
R4194		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R4195		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R4196		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R4197-01		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	5	
R4204		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R4205		ERJ6GEYJ563	M.RESISTOR CH1/16W 56K	1	
R6618		ERJ6GEYJ221	M.RESISTOR CH1/16W 220	1	
R6619		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6620		ERJ6GEYJ470	M.RESISTOR CH1/16W 47	1	
R6621,22		VRE0034E102	M.RESISTOR CH 1/10W 1K	2	
R6623		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
R6624-26		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	3	
R6628-31		VRE0034E471	M.RESISTOR CH 1/10W 470	4	
R6632,33		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	2	
R6639-48		VRE0034E471	M.RESISTOR CH 1/10W 470	10	
R6649		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	1	
R6650		ERJ6GEYJ474	M.RESISTOR CH1/16W 470K	1	
R6652		ERJ6GEYJ104	M.RESISTOR CH1/16W 100K	1	
R6653		ERJ6GEYJ562	M.RESISTOR CH1/16W 5.6K	1	
R6654,55		ERJ6GEYJ152	M.RESISTOR CH1/16W 1.5K	2	
R6656		ERJ6GEYJ271	M.RESISTOR CH1/16W 270	1	
R6657		ERJ6GEYJ102	M.RESISTOR CH1/16W 1K	1	
R6659		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6660		ERJ6GEYJ391	M.RESISTOR CH1/16W 390	1	
R6662		ERJ6GEYJ471	M.RESISTOR CH1/16W 470	1	
R6663		ERJ6GEYJ222	M.RESISTOR CH1/16W 2.2K	1	
R6664		ERJ6GEYJ272	M.RESISTOR CH1/16W 2.7K	1	
R6665		ERJ6GEYJ182	M.RESISTOR CH1/16W 1.8K	1	
R6666		ERJ6GEYJ332	M.RESISTOR CH1/16W 3.3K	1	
R6667		ERJ6GEYJ223	M.RESISTOR CH1/16W 22K	1	
R6672		ERJ6GEYJ103	M.RESISTOR CH1/16W 10K	1	
R6673		ERJ6GEYJ561	M.RESISTOR CH1/16W 560	1	
VR4005-08		EVN32CA00B53	V.RESISTOR 5K	4	
X6601		VSX0197	CRYSTAL OSCILLATOR	1	<R>
		VEP06909B	P.C.BOARD W/COMPONENT		
			REAR JACK		
J6703,04		VJS3154	CONNECTOR (FEMALE)	2	
J6709		VJP3414A015	CONNECTOR (MALE)	1	
J6711-13		VJS3154	CONNECTOR (FEMALE)	3	
J6714,15		VJS3155	CONNECTOR (FEMALE)	2	
J6716-18		VJS3154	CONNECTOR (FEMALE)	3	
J6719		VJJ0322	RCA PIN JACK	1	
J6721		VJS3154	CONNECTOR (FEMALE)	1	
P6701		VJS3215B012	CONNECTOR (FEMALE)	1	
P6703		VJS3215B012	CONNECTOR (FEMALE)	1	
P6704		VJS3215B010	CONNECTOR (FEMALE)	1	
			RESISTORS		
R6702		ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	1	
R6705,06		ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	2	
R6707		ERDS2CKG68R0	M.RESISTOR 1/4W 68.0	1	
R6708-14		ERDS2CKG75R0	M.RESISTOR 1/4W 75.0	7	
R6719		ERDS2TJ104	C.RESISTOR 1/4W 100K	1	
SW6702		VSS0303	SWITCH	1	<R>
			MISCELLANEOUS		
E98		VMP4232	CONNECTOR ANGLE	1	
E99		VMX2078	P.C.B. SPACER	3	

Ref.No.		Part No.	Part Name & Description	Pcs	Remarks
E100		XTV3+8FFZ	SCREW	2	
E105		VXQ0102	SCREW WITH WASHER	2	
		VEK4265	P.C.BOARD W/COMPONENT		
			REV TENSION SENSOR UNIT		
			MISCELLANEOUS		
E156		VMA7987	REV PHOTO HOLDER	1	
E157		ON1108	PHOTO INTERRUPTER	1	<R>
E94		XTV26+4F	SCREW	1	
		VEK4058	P.C.BOARD W/COMPONENT		
			PHOTO TR (R) UNIT		
			MISCELLANEOUS		
E92		VMD0645	PHOTO TR HOLDER	1	
		VEK3578	P.C.BOARD W/COMPONENT		
			PHOTO TR (L) UNIT		
			MISCELLANEOUS		
E91		VMD0645	PHOTO TR HOLDER	1	
		VEK5556	P.C.BOARD W/COMPONENT		
			SEARCH DIAL UNIT		
			MISCELLANEOUS		
E87		VSQ0651	JOG/SHUTTLE UNIT	1	<R>
E88		XTV3+6F	SCREW	2	
E89		XTV3+8J	SCREW	3	
E90		XYE3+EF6	SCREW	1	

Memo

SECTION 7

ELECTRICAL ADJUSTMENTS

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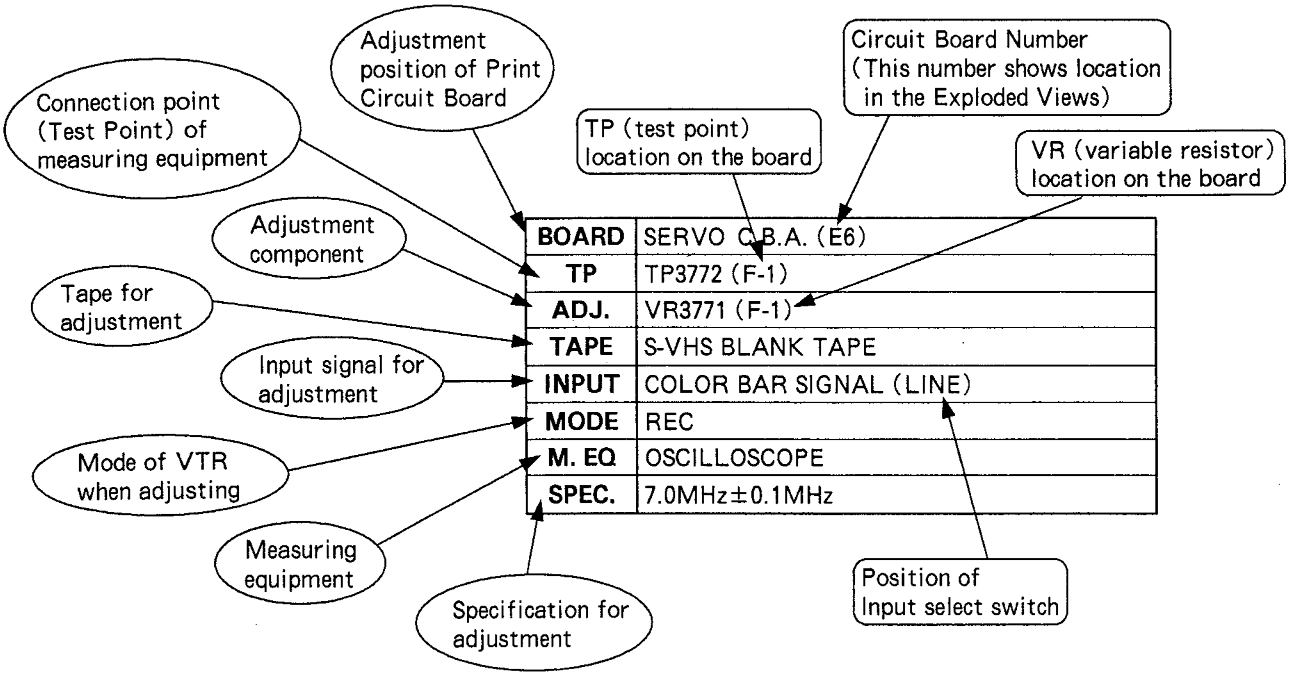
7-1. TEST & SERVICE EQUIPMENT

No.	EQUIPMENT	CAPACITY
1	D.V.M. (Digital Volt Meter)	0.001 to 50V
2	Dual-Trace Oscilloscope (with Probes)	0.005 to 50V/div, DC to 100MHz (50MHz)
3	Frequency Counter	0 to 10MHz
4	Sinewave Signal Generator (RC Oscillator)	0 to 10MHz
5	Video Sweep Generator	0 to 10MHz
6	Waveform Monitor	
7	Video Signal Generator (Composite, Y/C)	video signal with 7.5% set-up
8	Spectrum Analyzer	
9	Vector Scope	
10	SCH Meter	
11	Color Monitor TV	
12	VHS Alignment Tape (VFM8080HQFP)	
13	Extender Board (VFK0941)	

7-2. HOW TO READ THE ADJUSTMENT PROCEDURES TABLE



BOARD	SERVO C.B.A. (E6)
TP	TP3772 (F-1)
ADJ.	VR3771 (F-1)
TAPE	S-VHS BLANK TAPE
INPUT	COLOR BAR SIGNAL (LINE)
MODE	REC
M. EQ	OSCILLOSCOPE
SPEC.	7.0MHz±0.1MHz

Adjustment position of Print Circuit Board
Circuit Board Number (This number shows location in the Exploded Views)
Connection point (Test Point) of measuring equipment
TP (test point) location on the board
VR (variable resistor) location on the board
Adjustment component
Tape for adjustment
Input signal for adjustment
Mode of VTR when adjusting
Measuring equipment
Specification for adjustment
Position of Input select switch

7-3. SERVO SECTION

7-3-1. PG SHIFTER ADJ.

≪ NOTE ≫
Tape Interchangeability Adjustment should be always completed before this adjustment.

BOARD	SERVO & SYSTEM CTL C.B.A. (E3)
TP	TP41003 (G-1):AUDIO (2) C.B.A.(CH2.TRIG) TP3307 (B-1):VIDEO I/O C.B.A.(CH1)
ADJ.	VR2001 (H-5)
TAPE	VFM8080HQFP PORTION:2
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	T=7.5H±0.25H

≪ SET UP ≫
SYNC : NORM (MENU NO.1001)
FRAME SERVO : OFF (MENU NO.6005)
TRACKING VR : CENTER (FIX)

1. Playback the adjustment tape the portion 2.
2. Connect the oscilloscope to TP3307 for CH-1 and TP41003 for CH-2.(Trigger)
3. Adjust VR2001 so that "T" becomes 7.5H ± 0.25H as shown in Figure E1.

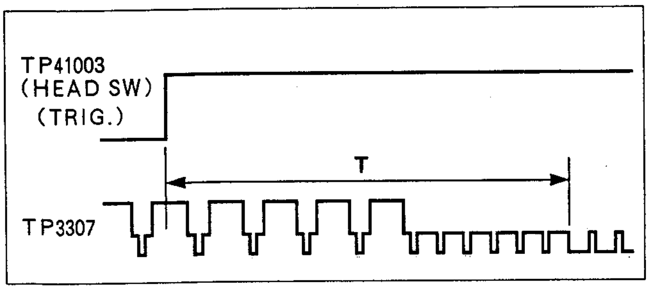


Figure E1

7-3-2. TRACKING FIX ADJ.

BOARD	SERVO & SYSTEM CTL C.B.A. (E3)
TP	TP41003 (G-1):AUDIO (2) C.B.A. TP61004 (D-1):INTERFACE C.B.A.
ADJ.	VR2003 (H-6):SERVO&SYSTEM CTL C.B.A.
TAPE	VFM8080HQFP PORTION:2
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	T=0.4msec.±0.1msec.

≪ SET UP ≫
SYNC : NORM (MENU NO.1001)
FRAME SERVO : OFF (MENU NO.6005)
TRACKING VR : CENTER (FIX)

1. Playback the adjustment tape the portion 2.
2. Connect the oscilloscope to TP61004 for CH-1 and TP41003 for CH-2.
3. Adjust VR2003 so that the "T" becomes 0.4msec ± 0.1msec as shown in Figure E2.

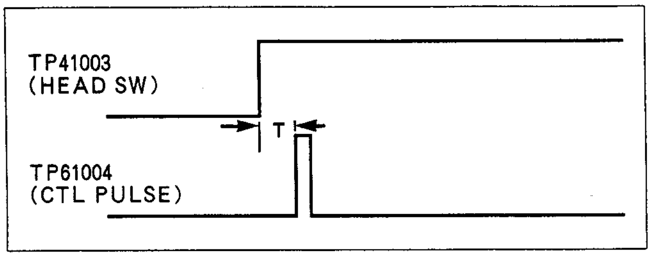


Figure E2

7-4. VIDEO PB SECTION

7-4-1. DROP OUT LEVEL ADJ.

BOARD	VIDEO DIGITAL C.B.A. (E6)
TP	TP3772 (F-1)
ADJ.	VR3771 (F-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE (more than 100MHz)
SPEC.	700mVp-p±70mVp-p

≪ NOTE ≫
Use a oscilloscope that is more than 100MHz range and increase the intensity.

≪ SET UP ≫
IMAGE MODE SELECT : NORMAL (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
CH2 METER SW : VIDEO TRACKING

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to TP3772.
3. Adjust VR3771 so that the level becomes 700mVp-p ± 70mV as shown in Figure E3.

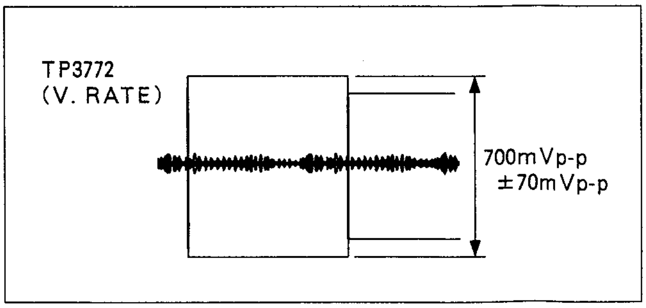


Figure E3

7-4-2. RF PEAK FREQUENCY ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3003 (F-1)
ADJ.	VR3015 (E-1)
TAPE	
INPUT	TP3002: VIDEO SWEEP SIGNAL (150mVp-p)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	7MHz±0.1MHz (FIG. E4-B)

≪SET UP≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)

1. Connect a jumper wire between TP3001 and GND (TPG3001).
2. Supply a 150mVp-p (in connected) sweep signal to TP3002 as shown in Figure E4-A.
3. Connect the oscilloscope to TP3003 and adjust VR3015 so that the peak frequency becomes 7.0MHz ± 0.1MHz as shown in Figure E4-B.

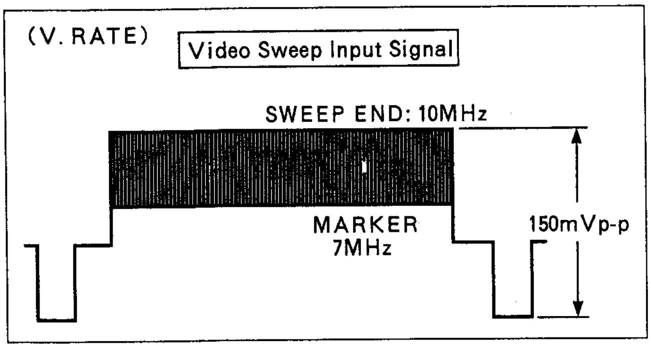

(V. RATE)
Video Sweep Input Signal
SWEEP END: 10MHz
MARKER
7MHz
150mVp-p

Figure E4-A

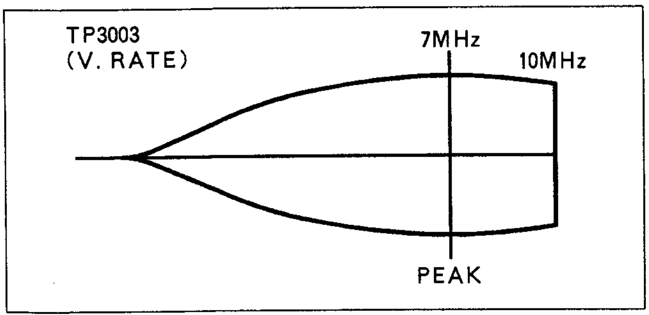

TP3003
(V. RATE)
7MHz
10MHz
PEAK

Figure E4-B

7-4-3. PB RF CHROMA LEVEL ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3005 (B-1)
ADJ.	VR3201 (D-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.7Vp-p ± 0.05Vp-p

≪SET UP≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to TP3005.
3. Adjust VR3201 so that the cyan level becomes 0.7Vp-p ± 0.05Vp-p as shown in Figure E5.

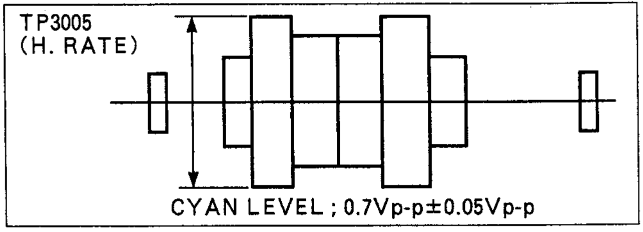

TP3005
(H. RATE)
CYAN LEVEL ; 0.7Vp-p±0.05Vp-p

Figure E5

7-4-4. PB Y LEVEL ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3307 (B-1)
ADJ.	VR3202 (D-3)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p ± 0.1Vp-p

≪SET UP≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to TP3307.
2. Adjust VR3202 so that the playback Y level becomes 1.5Vp-p ± 0.1Vp-p as shown in Figure E6.

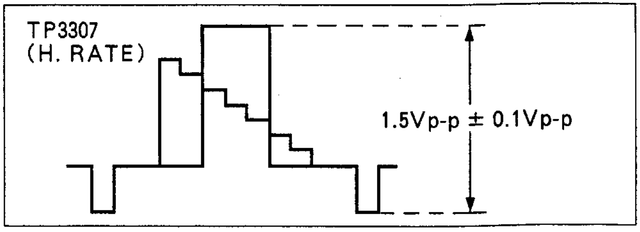

TP3307
(H. RATE)
1.5Vp-p ± 0.1Vp-p

Figure E6

7-4-5. S-VHS NORMAL EQUALIZER ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3307 (B-1)
ADJ.	VR3010 (L CH), VR3011 (R CH)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz:4MHz = 5:5.5±0.5

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)

1. Play back the 30% sweep signal (Figure E7-A) other recorded tape by S-VHS mode. (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
2. Connect the oscilloscope to TP3307.
3. Adjust VR3010 (L CH) and VR3011 (R CH) so that the level becomes as shown in Figure E7-B.

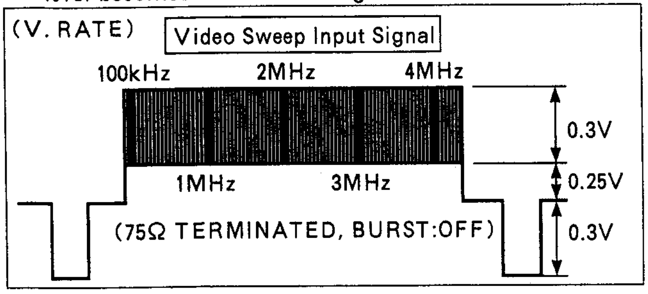

(V. RATE)
Video Sweep Input Signal
100kHz
2MHz
4MHz
0.3V
1MHz
3MHz
0.25V
(75Ω TERMINATED, BURST:OFF)
0.3V

Figure E7-A

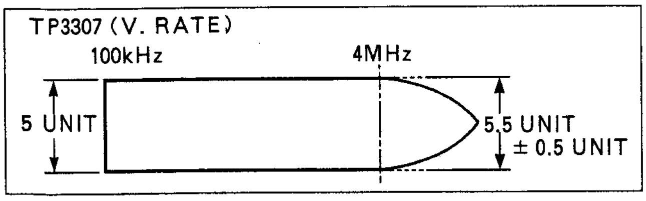

TP3307 (V. RATE)
100kHz
4MHz
5 UNIT
5.5 UNIT
± 0.5 UNIT

Figure E7-B

7-4-6. S-VHS SS EQUALIZER ADJ.

≪ **NOTE** ≫
This adjustment should be performed only after completion of 7-4-5. S-VHS Normal Equalizer Adj.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3307 (B-1), TP8502 (E-1): TBC (1) C.B.A.
ADJ.	VR3008 (L' CH)(E-1), VR3009 (R' CH)(E-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	JOG
M. EQ	OSCILLOSCOPE
SPEC.	FIG. E8-A, B

≪ **SET UP** ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
DIGITAL SLOW SW : OFF

1. Play back the 30% sweep signal (Figure E7-A) other recorded tape by S-VHS mode.
2. Connect the oscilloscope to TP8502 for CH1 and TP3307 for CH2.
3. Place the deck in the JOG mode.
4. Rotate the JOG DIAL so that the high period of TP8502 becomes longest as shown in Figure E8-A.
5. Adjust VR3008 so that the L CH and L' CH frequency responces become same characteristics as shown in Figure E8-A.

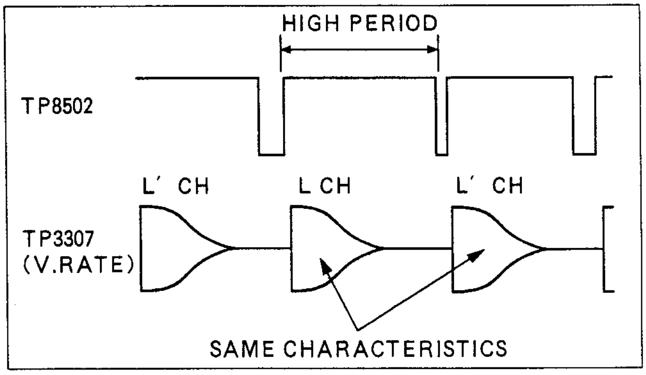

HIGH PERIOD
TP8502
L' CH
L CH
L' CH
TP3307
(V.RATE)
SAME CHARACTERISTICS

Figure E8-A

6. Rotate the JOG DIAL so that the low period of TP8502 becomes longest as shown in Figure E8-B.
7. Adjust VR3009 so that the R CH and R' CH frequency responces become same characteristics as shown in Figure E8-B.

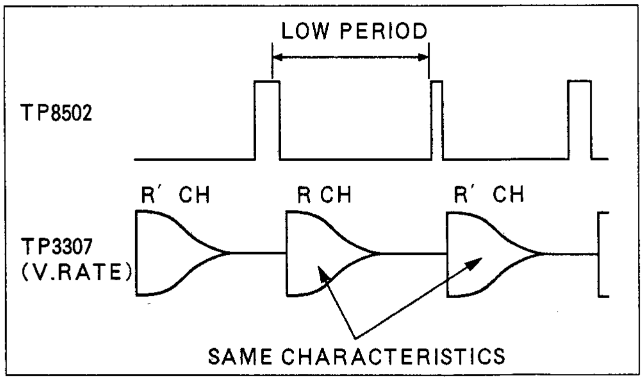

LOW PERIOD
TP8502
R' CH
R CH
R' CH
TP3307
(V.RATE)
SAME CHARACTERISTICS

Figure E8-B

7-4-7. VHS EQUALIZER ADJ.

≪ NOTE ≫
This adjustment should be performed only after completion of 7-4-5. S-VHS Normal Equalizer Adj.

BOARD	VIDEO I/O C.B.A. (E5)
TP	TP3307 (B-1)
ADJ.	VR3007 (E-1)
TAPE	30% VIDEO SWEEP (B/W) SIGNAL OTHER RECORDED TAPE (VHS)/(EDIT)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	100KHz : 2MHz = 5 : 4.0 ± 0.5

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : B/W (MENU NO.2002)

1. Play back the 30% sweep signal (Figure E7-A) other recorded tape by VHS mode. (Vary the vertical scope setting until the 100KHz level reaches 5 divisions)
2. Connect the oscilloscope to TP3307.
3. Adjust VR3007 so that the level becomes as shown in Figure E9.

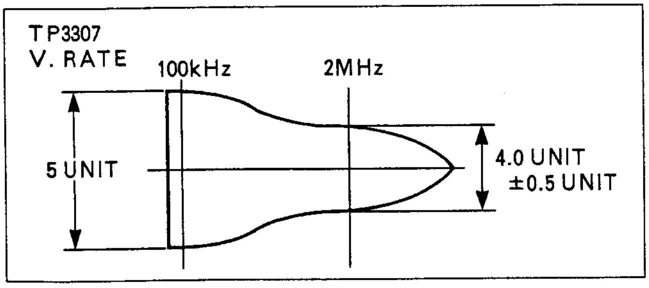


Figure E9

7-4-8. VIDEO TRACKING METER ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO TRACKING METER
ADJ.	VR3014 (E-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	REFER TO FIG. E16

≪ SET UP ≫
CH2 METER SW : VIDEO • TRACKING

1. Play back the color bar signal ohter recorded tape by S-VHS mode.
2. Adjust VR3014 so that the needle of VIDEO TRACKING METER becomes at point as shown in Figure E10.

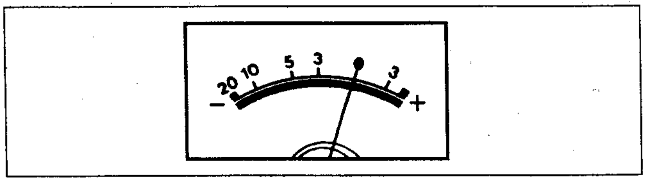


Figure E10

7-5. TBC SECTION

7-5-1. Y A/D INPUT (1) ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8201 (B-1)
ADJ.	VR8202 (B-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5V ± 0.05V

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to TP8201.
3. Adjust VR8202 so that the level becomes 1.5V ± 0.05V as shown in Figure E11.

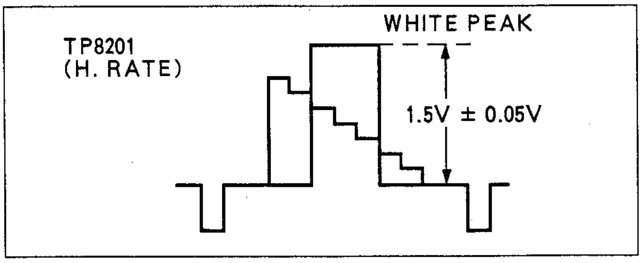


Figure E11

7-5-2. Y A/D INPUT (2) ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT
ADJ.	VR8201 (B-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0mV ± 10mV

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8201 so that the set-up level becomes 0mV ± 10mV as shown in Figure E12.

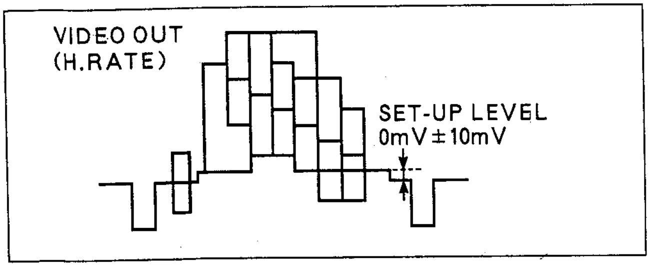


Figure E12

7-5-3. Y D/A REFERENCE VOLTAGE ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8052 (G-1)
ADJ.	VR8001 (G-1)
TAPE	
INPUT	
MODE	EJECT
M. EQ	V.T.V.M. or D.V.M.
SPEC.	4.1V ± 0.05V

1. Connect the V.T.V.M. or D.V.M. to TP8052.
2. Adjust VR8001 so that the DC voltage becomes 4.1V± 0.05V.

7-5-4. Y OUTPUT LEVEL ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8804 (F-2)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.734V ± 0.05V

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8804 so that the Y level becomes 0.734V ± 0.05V as shown in Figure E13.

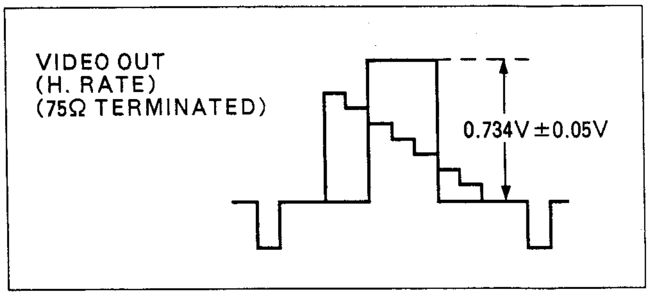


Figure E13

7-5-5. SYNC LEVEL ADJ.

≪ NOTE ≫
This adjustment should be performed only after completion of 7-5-4. Y Output Level Adj.
VIDEO OUT should be 75Ω terminated.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8803 (F-2)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	0.286V ± 0.03V

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color ba signal other recorded tape by S-VHS mode.
2. Connect the oscilloscope to VIDEO OUT.
3. Adjust VR8804 so that the SYNC level becomes 0.286V ± 0.03V as shown in Figure E14.

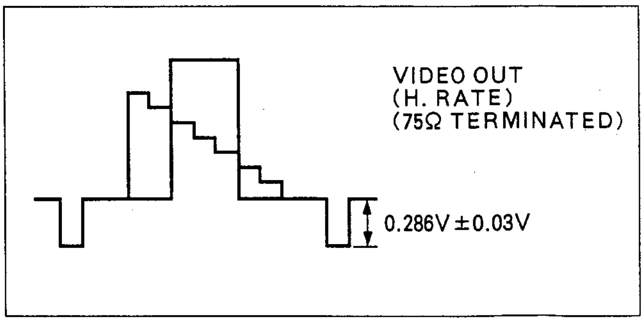


Figure E14

7-5-6. VV PHASE ADJ.

BOARD	VIDEO C C.B.A. (E13)
TP	TP9402 (B-1)
ADJ.	VR9410 (A-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	BURST LEVEL = MINIMUM

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connection a scope to TP9402.
3. Adjust VR9410 so that the burst level becomes minimum as shown in Figure E15.

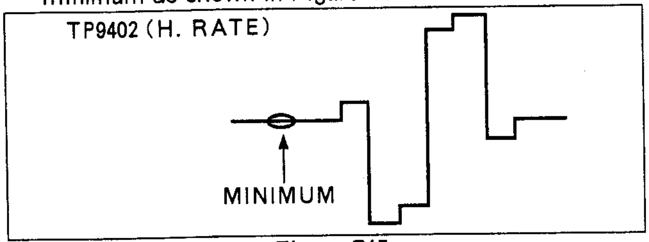


Figure E15

7-5-7. C A/D INPUT (1) ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8202 (R)(A-1), TP8203 (B)(A-1)
ADJ.	VR8204 (R-Y)(A-1), VR8205 (B-Y)(A-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAY BACK
M. EQ	OSCILLOSCOPE
SPEC.	1.5Vp-p ± 0.05Vp-p

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the oscilloscope to TP8202.
3. Adjust VR8204 so that the level becomes 1.5Vp-p ± 0.05Vp-p as shown in Figure E16-A.

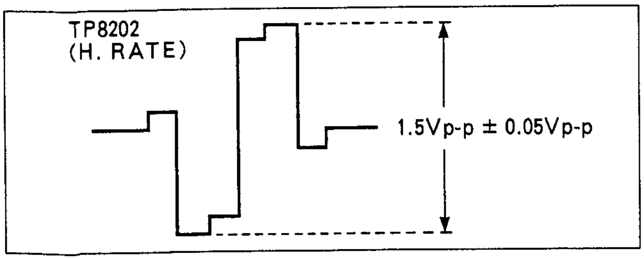


Figure E16-A

4. Connect the oscilloscope to TP8203.
5. Adjust VR8205 so that the level becomes 1.5Vp-p ± 0.05Vp-p as shown in Figure E16-B.

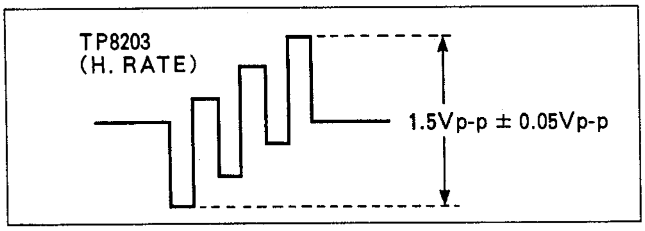


Figure E16-B

7-5-8. C A/D OUTPUT LEVEL ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8051 (F-1)
ADJ.	VR8002 (F-1)
TAPE	
INPUT	
MODE	EJECT
M. EQ	V.T.V.M. or D.V.M.
SPEC.	3.7V ± 0.05V

≪ SET UP ≫
TBC CONTROL : CENTER POSITION (OSD)
VIDEO MODE : COLOR (MENU NO.2002)

1. Connect the V.T.V.M. or D.V.M. to TP8051.
2. Adjust VR8002 so that the DC voltage becomes 3.7V± 0.05V.

7-5-9. C A/D INPUT (2) ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	COMPONENT OUT (PB, PR)
ADJ.	VR8203 (B-1), VR8302 (F-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	0mV ± 10mV

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the W.F.M. to Component PR OUT.
3. Adjust VR8203 so that the level becomes minimum (0mV ± 10mV) as shown in Figure E17-A.

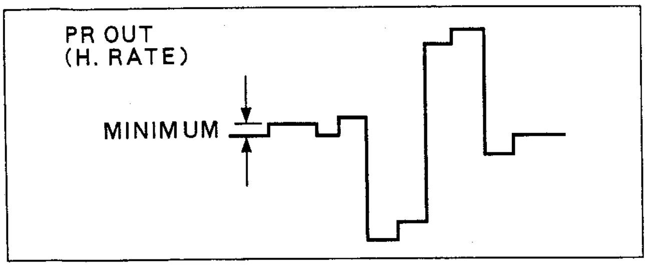


Figure E17-A

4. Connect the W.F.M. to Component PB OUT.
5. Adjust VR8302 so that the level becomes minimum (0mV ± 10mV) as shown in Figure E17-B.

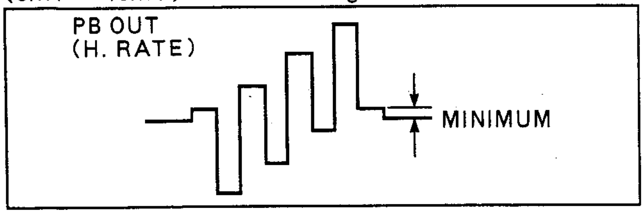


Figure E17-B

7-5-10. EDIT CHROMA ADJ.

BOARD	TBC (2) C.B.A. (E12), VIDEO C C.B.A. (E13)
TP	COMPONENT PB OUT (75Ω)
ADJ.	VR8810 (F-1), VR8811 (F-1) : TBC (2) C.B.A. VR9410 (A-1) : VIDEO C C.B.A.
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	FIG. E18-A, B, C

≪ SET UP ≫
IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
DNR : OFF

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the W.F.M. to Component PB OUT.
3. Adjust VR9410 so that the waveform become as shown in Figure E18-A.

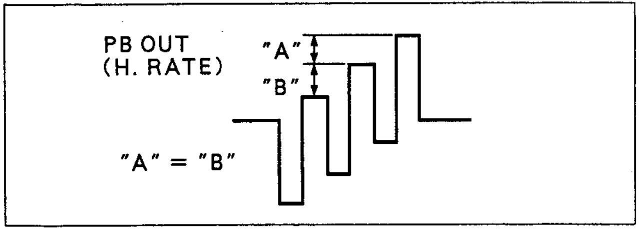


Figure E18-A

4. Adjust VR8810 so that the level becomes 0.486Vp-p ± 0.05Vp-p as shown in Figure E18-B.

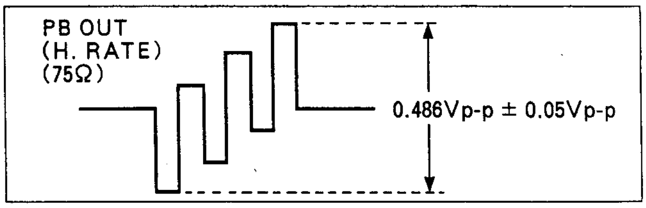


Figure E18-B

5. Connect the W.F.M. to Component PR OUT.
6. Adjust VR8811 so that the level becomes 0.486Vp-p ± 0.05Vp-p as shown in Figure E18-C.

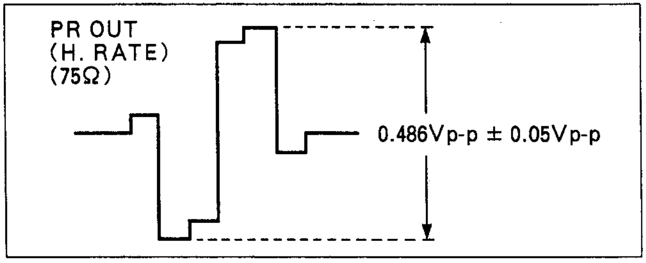


Figure E18-C

7-5-11. NORMAL CHROMA ADJ.

BOARD	VIDEO C C.B.A. (E13)
TP	COMPONENT OUT (PB, PR)(75Ω)
ADJ.	VR9406 (C-1), VR9407 (B-1)
TAPE	C.B. OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	FIG. E27-A, B

≪ NOTE ≫
This adjustment should be performed only after completion of 7-5-10. Edit Chroma Adj.

≪ SET UP ≫
IMAGE MODE SELECT : NORMAL (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
DNR : OFF

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect the W.F.M. to Component PB OUT.
3. Adjust VR9406 so that the level becomes 0.486Vp-p ± 0.05Vp-p as shown in Figure E19-A.

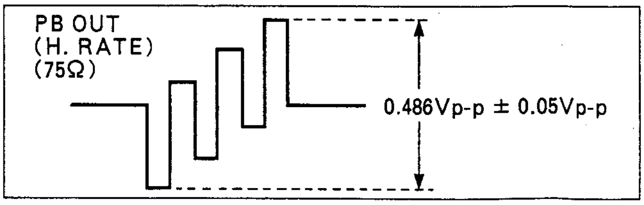


Figure E19-A

4. Adjust VR9406 so that the levels "A" and "B" become the same at the EDIT mode and NORMAL mode (change the IMAGE MODE SELECT (MENU NO.2001)) as shown in Figure E19-B

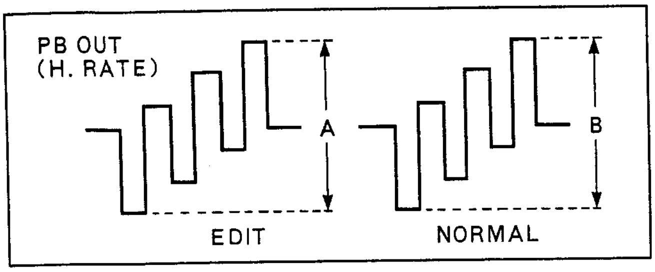


Figure E19-B

5. Connect the W.F.M. to Component PR OUT.
6. Adjust VR9407 so that the level becomes 0.486Vp-p ± 0.05Vp-p as shown in Figure E19-C.

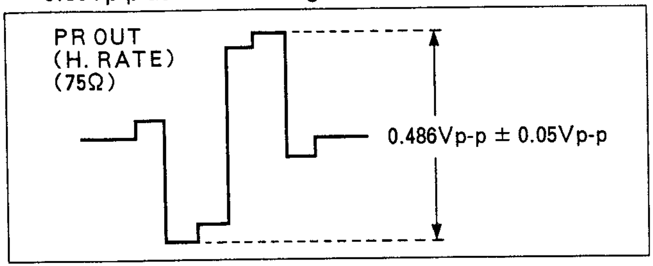


Figure E19-C

7. Adjust VR9407 so that the levels "A" and "B" become the same at the EDIT mode and NORMAL mode (change the IMAGE MODE SELECT (MENU NO.2001) as shown in Figure E19-D.

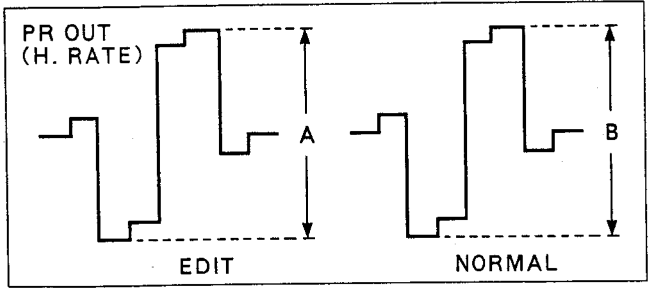


Figure E19-D

7-5-12. CARRIER BALANCE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8807 (E-1), VR8808 (E-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E20

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the vectorscope to VIDEO OUT and adjust VR8807 and VR8808 so that the point "C" becomes center of the vector scope as shown in Figure E20.

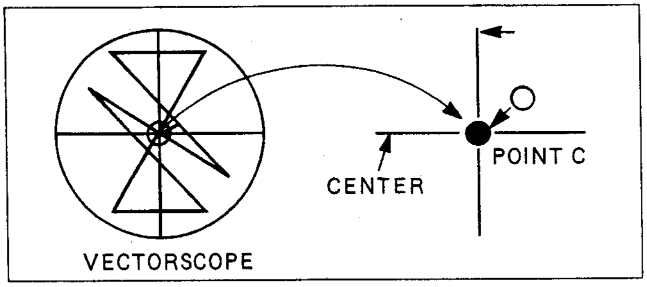


Figure E20

7-5-13. BURST LEVEL ADJ.

≪ NOTE ≫

This adjustment should be performed only after completion of 7-5-12. Carrier Balance Adj.
VIDEO OUT should be 75Ω terminated.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8806 (E-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E21

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR8806 that the burst signal becomes 75% (180°) as shown in Figure E21.

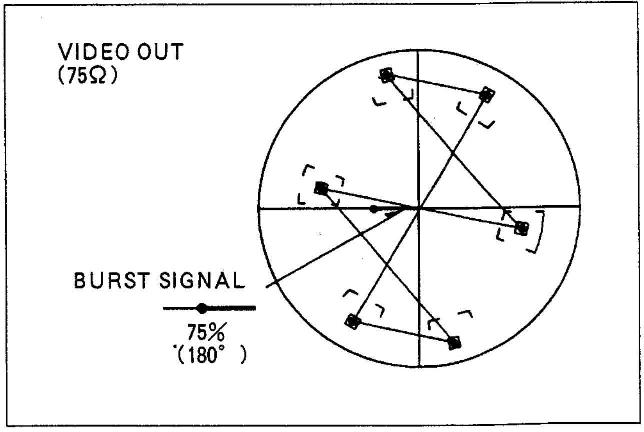


Figure E21

7-5-14. CHROMA VECTOR BALANCE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8801 (E-1), VR8802 (E-1), VR8815 (D-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E22

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust VR8801,VR8802 and VR8815 so that the all vectors except burst phase become correct position as shown in Figure E22.

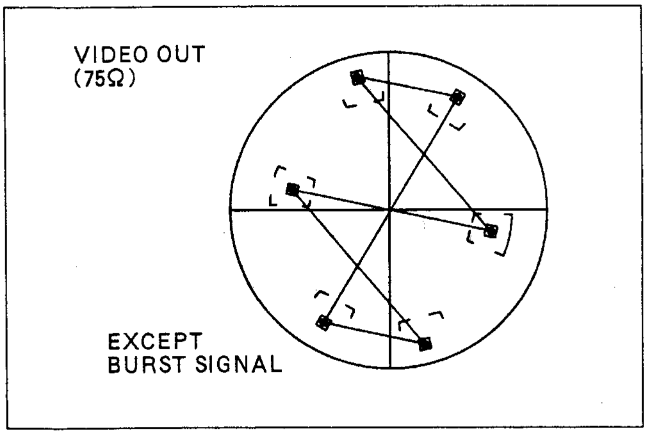


Figure E22

7-5-15. BURST PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8814 (D-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	VECTORSCOPE
SPEC.	FIG. E23

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the vectorscope to VIDEO OUT.
3. Adjust the vectorscope so that the burst signal becomes 75% (180°).
4. Adjust VR8814 so that the all vectors become correct position as shown in Figure E23.

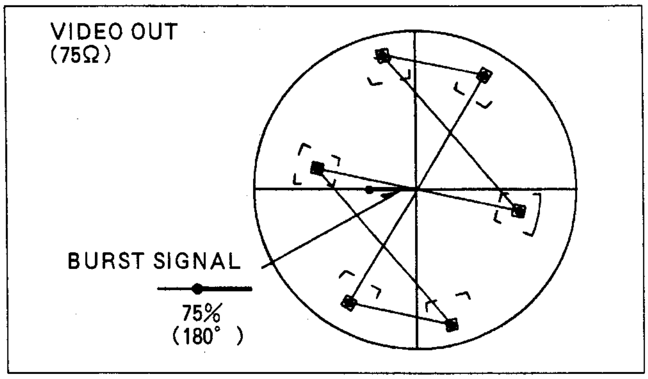


Figure E23

7-5-16.PB CHROMA LEVEL ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8002 (F-1)
TAPE	C.B. RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAY
M. EQ	OSCILLOSCOPE or W.F.M.
SPEC.	0.6Vp-p ± 0.05Vp-p

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
IMAGE MODE SELECT : NORMAL (MENU NO.2001)

1. Play back the color bar signal other recorded tape by S-VHS mode.
2. Connect a scope (W.F.M.) to VIDEO OUT and adjust VR8002 so that the cyan level becomes 0.60Vp-p ± 0.05Vp-p as shown in Figure E24.

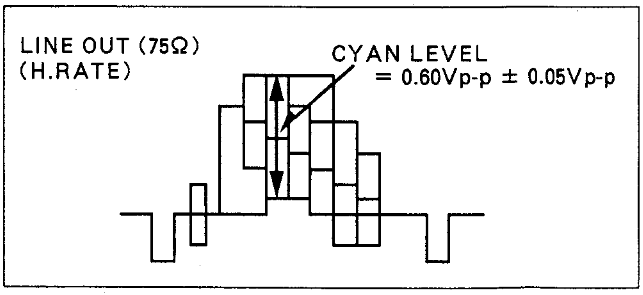


Figure E24

7-5-17. BURST POSITION ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8805 (D-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	5.3μsec ± 0.1μsec

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the W.F.M. to VIDEO OUT.
3. Adjust VR8805 so that the period of H. Sync (down edge) to Burst signal (Burst start point) becomes 5.3 μsec. ± 0.1 μsec. as shown in Figure E25.

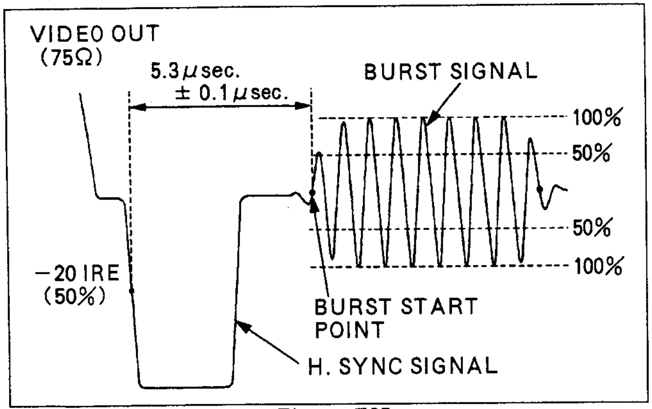


Figure E25

7-6-18. PB S-VHS Y/C DELAY ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	VIDEO OUT
ADJ.	VR8103 (C-1)
TAPE	SIN² PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILOSCOPE
SPEC.	100nsec ± 50nsec (FIG. E26-B)

≪ SET UP ≫

IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Connect the oscilloscope (W.F.M.) to VIDEO OUT and expanded the "A" portion as shown in Figure E26-A.

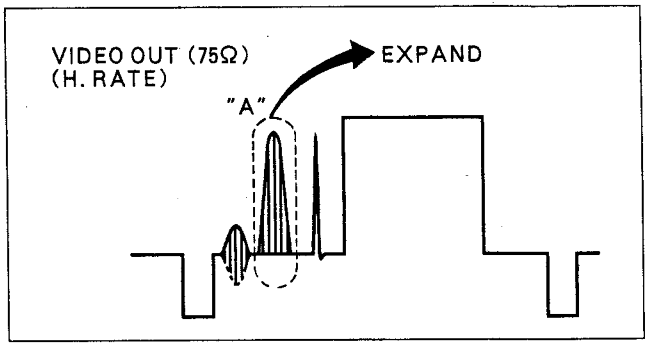


Figure E26-A

2. Play back the SIN² PULSE & BAR signal other recorded tape by S-VHS mode.
3. Adjust VR3205 so that the waveform becomes as shown in Figure E26-B.

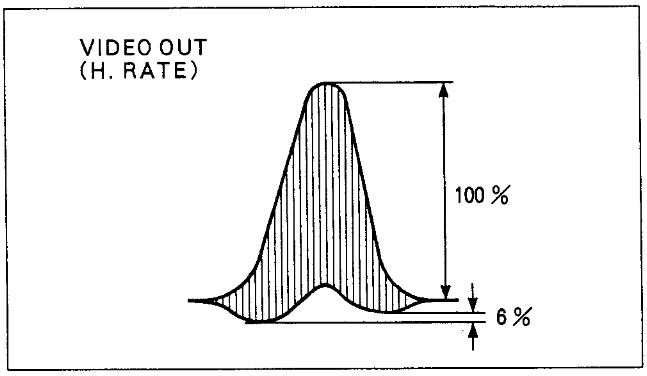


Figure E26-B

7-5-19. PB VHS Y/C DELAY ADJ.

BOARD	VIDEO I/O C.B.A. (E5)
TP	VIDEO OUT
ADJ.	VR3204 (E-3)
TAPE	SIN² PULSE & BAR SIGNAL OTHER RECORDED TAPE (VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILOSCOPE
SPEC.	100nsec ± 50nsec (FIG. E26-B)

≪ NOTE ≫

This adjustment should be performed only after completion of 7-5-18. PB S-VHS Y/C Delay Adj.

≪ SET UP ≫

IMAGE MODE SELECT : EDIT (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)

1. Connect the oscilloscope (W.F.M.) to VIDEO OUT and expanded the "A" portion as shown in Figure E26-A.
2. Play back the SIN² PULSE & BAR signal other recorded tape by VHS mode.
3. Adjust VR3204 so that the waveform becomes as shown in Figure E26-B.

7-6-20. NORMAL Y/C TIMING ADJ.

≪ NOTE ≫

This adjustment should be performed only after completion of 7-5-18. PB S-VHS Y/C Delay Adj. and 7-5-19. PB VHS Y/C Delay Adj.

BOARD	VIDEO C C.B.A. (E13)
TP	VIDEO OUT
ADJ.	VR9403 (C-1), SW3921 (A-1)(DIGITAL C.B.A)
TAPE	SIN^2 PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	100nsec ± 50nsec (FIG. E26-B)

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
IMAGE MODE SELECT : NORMAL (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
DNR : OFF

1. Connect a jumper wire between TP9405 and TPG9406.
2. Connect the oscilloscope (W.F.M.) to VIDEO OUT and expanded the "A" portion as shown in Figure E26-A.
3. Play back the SIN^2 PULSE & BAR signal other recorded tape by S-VHS mode.
4. Adjust VR9403 and SW3921 so that the waveform becomes as shown in Figure E26-B.

7-5-21. CAC Y/C TIMING ADJ.

≪ NOTE ≫

This adjustment should be performed only after completion of 7-5-18. PB S-VHS Y/C Delay Adj. and 7-5-19. PB VHS Y/C Delay Adj.

BOARD	VIDEO C C.B.A. (E13)
TP	TP9407 (C-2), TP9404 (B-1)
ADJ.	VR9402 (C-1)
TAPE	SIN^2 PULSE & BAR SIGNAL OTHER RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	70nsec ± 35nsec (FIG. E35)

≪ SET UP ≫

TBC CONTROL : CENTER POSITION
IMAGE MODE SELECT : NORMAL (MENU NO.2001)
VIDEO MODE : COLOR (MENU NO.2002)
DNR : OFF

1. Connect the oscilloscope to TP9407 for CH1 and TP9404 for CH2.
2. Set the vertical scope setting of both the channels (CH1 and CH2) to the same range.
3. Set the scope to ADD (CH1+CH2) mode.
4. Play back the SIN^2 PULSE & BAR signal other recorded tape by S-VHS mode.
5. Adjust VR9402 so that the waveform becomes as shown in Figure E27.

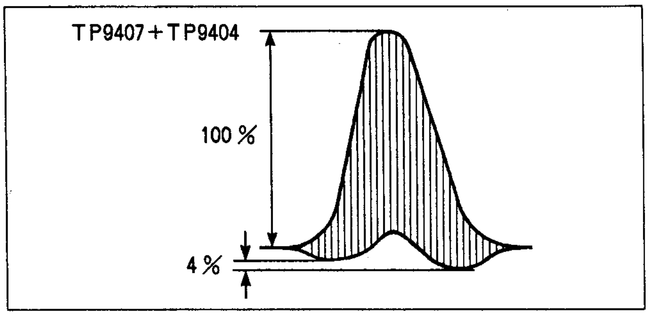


Figure E27

7-5-22. Y CLOCK PHASE ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8101 (C-1)
ADJ.	VR8101 (C-3)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	A=45±5

1. Play back the color bar signal other recorded tape.
2. Connect the oscilloscope to TP8101.
3. Adjust VR8101 so that the waveform becomes as shown in Figure E28.

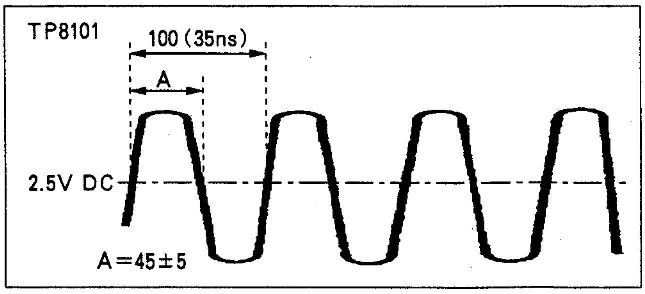


Figure E28

7-5-23. PLL LOCK ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8105 (A-1), TP8103 (A-1)
ADJ.	VC8101 (B-3)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	840nsec ± 20nsec (FIG. E29)

1. Play back the color bar signal other recorded tape.
2. Connect the oscilloscope to TP8105 for CH1 and TP8103 for CH2.
3. Adjust VC8101 so that the "T" becomes 840nsec. ± 20 nsec. as shown in Figure E29.

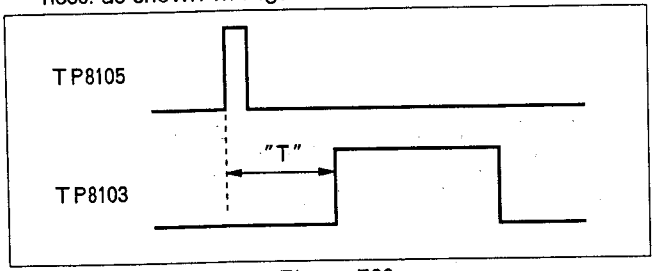


Figure E29

7-5-24. C CLOCK PHASE ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP8301 (C-1)
ADJ.	VR8301 (B-3)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	A=45±5

1. Play back the color bar signal other recorded tape.
2. Connect a scope to TP8301.
3. Adjust VR8301 so that the waveform becomes as shown in Figure E28.

7-5-25. HEAD SWITCH ADJ.

BOARD	TBC (1) C.B.A. (E11)
TP	TP41003 (G-1: AUDIO(2)), TP8501 (F-1)
ADJ.	VR8501 (E-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	STOP
M. EQ	OSCILLOSCOPE
SPEC.	T=32.5μsec ± 2.5μsec (FIG. E30)

≪ SET UP ≫
PB/EE SELECT : EE (MENU NO.2004)

1. Insert the color bar signal other recorded tape.
2. Connect a scope to TP41003 for CH-1 and TP8501 for CH-2.
3. Adjust VR8501 so that the "T" becomes 32.5μsec ± 2.5μsec as shown in Figure E30-A.

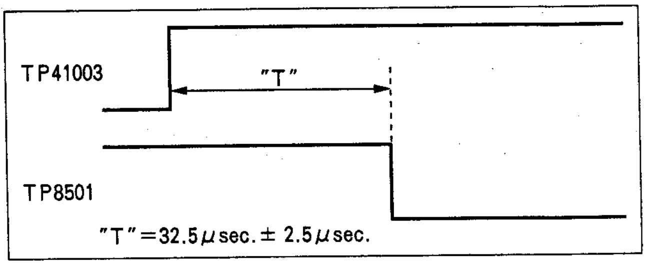


Figure E30-A

≪ NOTE ≫
You can adjust more easy by using the ADD (CH1 & CH2) feature on a scopeas shown in Figure E-30-B

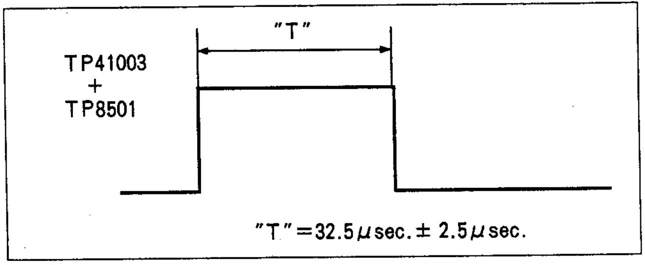


Figure E30-B

7-5-26. S/H ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8603 (A-4), TP8604 (B-1)
ADJ.	VR8601 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	A=B±10%

1. Supply a color bar signal to the REF. IN.
2. Connect a scope to TP8603 for CH-1 and TP8604 for CH-2.
3. Adjust VR8601 so that the position of S/H pulse (TP8604) becomes as shown in Figure E31.

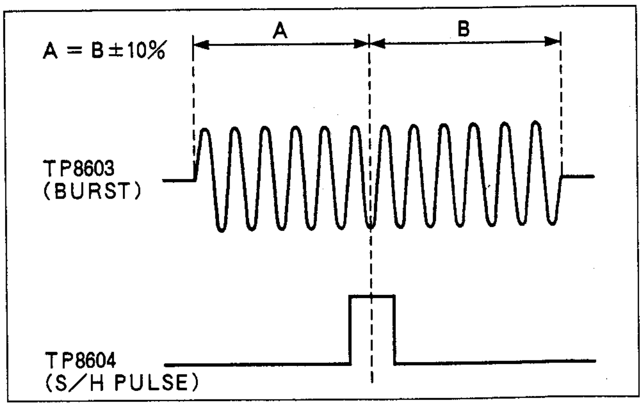


Figure E31

7-5-27. 14.3MHz VCO ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8609 (C-2)
ADJ.	VC8671 (A-2)
TAPE	
INPUT	NO SIGNAL (REF.)
MODE	EJECT
M. EQ	FREQUENCY COUNTER
SPEC.	f = 3,579,545Hz ± 5Hz

1. Connect a counter to TP8609.
2. Adjust VC8671 so that the frequency becomes 3,579,545Hz ± 5Hz.

7-5-28. REF. SCH ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	TP8609 (C-2), TP8610 (C-2)
ADJ.	VR8603 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	A = B±10%

≪ NOTE ≫

SCH of a color bar signal (REF.) should be 0°.

1. Connect a scope to TP8609 for CH1 and TP8610 for CH2.
2. Adjust VR8603 so that the up edge of H pulse becomes as shown in Figure E32.

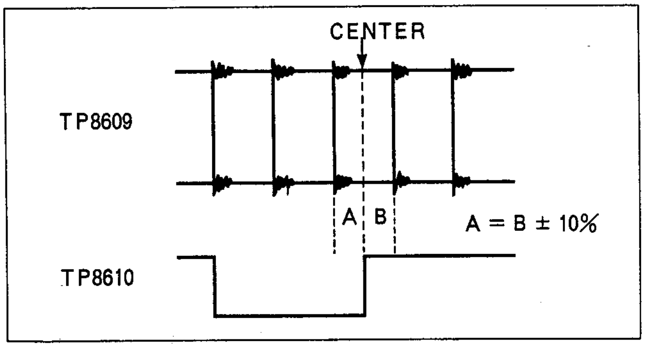


Figure E32

7-5-29. SCH PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	SW8701 (C-1), VR8602 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT
M. EQ	SCH METER
SPEC.	0 ± 2°

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.
SCH of a color bar signal (REF.) should be 0°.
Trigger of SCH METER should be EXT.

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)

1. Connect a SCH Meter as shown in Figure E33-A.
2. Adjust SW8701 and VR8602 so that the SCH phase becomes 0° ± 2° as shown in Figure E33-B.

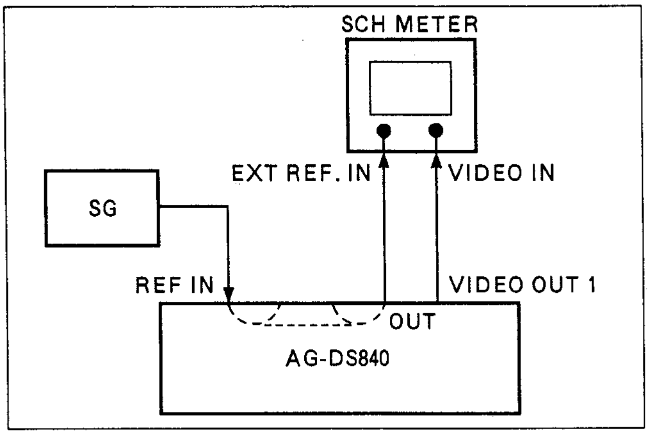


Figure E33-A

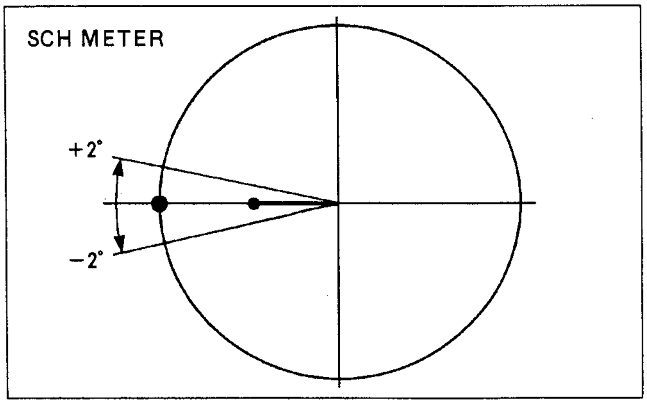


Figure E33-B

7-5-30. SYSTEM H PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	REF VIDEO, VIDEO OUT (75Ω)
ADJ.	VR8701 (B-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	FIG. E34-B

≪ NOTE ≫

VIDEO OUT should be 75Ω terminated.
SCH of color bar signal (REF.) should be 0°.

≪ SET UP ≫

VIDEO MODE : COLOR (MENU NO.2002)
TBC CONTROL (SYSTEM H PHASE) : CENTER (OSD)

1. Connect a scope as shown in Figure E34-A.
2. Adjust VR8701 so that the H phase of these signals are the same as shown in Figure E34-B.

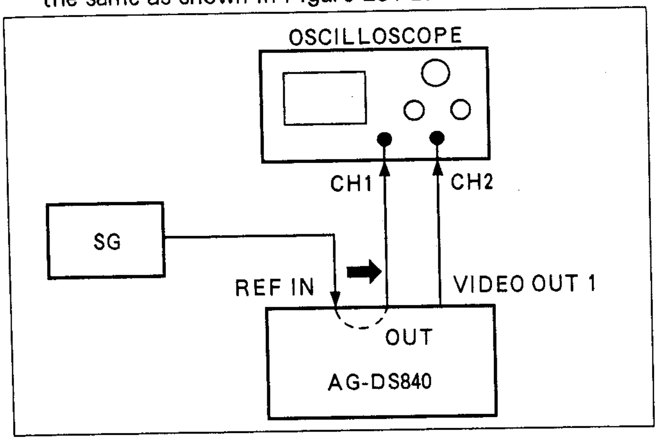

OSCILLOSCOPE
CH1
CH2
SG
REF IN
VIDEO OUT 1
OUT
AG-DS840

Figure E34-A

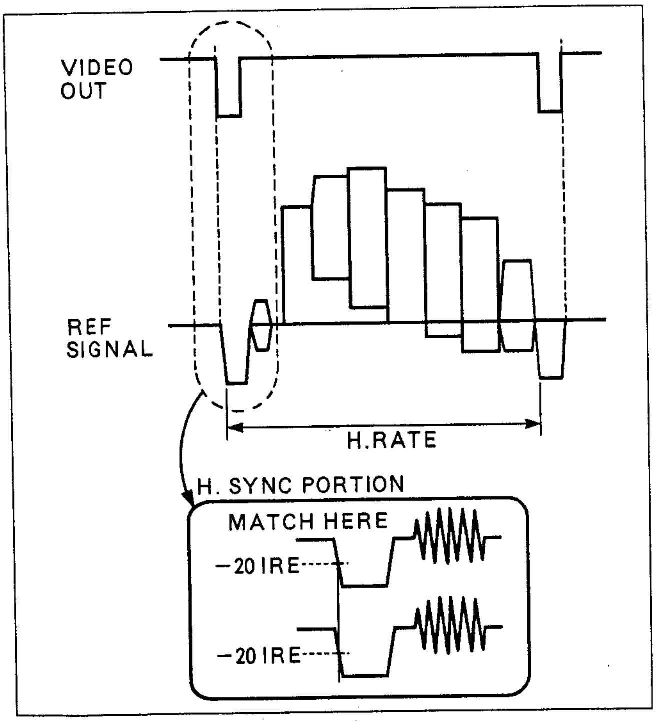

VIDEO OUT
REF SIGNAL
H.RATE
H. SYNC PORTION
MATCH HERE
−20 IRE
−20 IRE

Figure E34-B

7-5-31. VIDEO PHASE ADJ.

BOARD	TBC (1) C.B.A. (E-11)
TP	VIDEO OUT (75Ω)
ADJ.	VR8102 (C-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	FIG. E35

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.

≪ SET UP ≫
VIDEO MODE : COLOR (MENU NO.2002)

1. Play back the color bar signal other recorded tape.
2. Connect the W.F.M. to VIDEO OUT.
3. Adjust VR8102 so that the waveform becomes as shown in Figure E35.

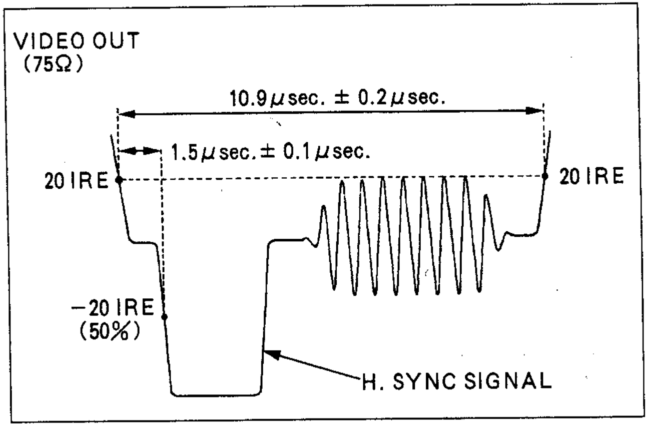

VIDEO OUT
(75Ω)
10.9μsec. ± 0.2μsec.
1.5μsec.± 0.1μsec.
20 IRE
20 IRE
−20 IRE
(50%)
H. SYNC SIGNAL

Figure E35

7-5-32. SYSTEM SC PHASE ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	VIDEO OUT (75Ω)
ADJ.	VR8671 (A-1)
TAPE	
INPUT	COLOR BAR SIGNAL (REF.)
MODE	EJECT
M. EQ	SCH METER
SPEC.	0° ± 2°

≪ NOTE ≫
VIDEO OUT should be 75Ω terminated.
Trigger of SCH METER should be EXT.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION

1. Connect the SCH Meter as shown in Figure E33-A.
2. Adjust VR8671 so that the SYSTEM SC PHASE becomes 0° ± 2° as shown in Figure E33-B.
3. If not, adjust the TBC CONTROL (SYSTEM SC COARSE), and repeat step 2.

7-5-33. PB/PR OUTPUT ADJ.

BOARD	TBC (2) C.B.A. (E12)
TP	COMPONENT OUT (PB,PR)(75Ω)
ADJ.	VR8810 (F-1), VR8811 (F-1)
TAPE	C.B. OTHER RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	W.F.M. or OSCILLOSCOPE
SPEC.	0.486Vp-p ± 0.02Vp-p

≪ NOTE ≫
COMPONENT OUT (PB. PR) should be 75Ω terminated.

≪ SET UP ≫
TBC CONTROL : CENTER POSITION
VIDEO MODE : COLOR (MENU NO.2002)
COMPONENT OUT LEVEL : LOW (MENU NO.2017)
DNR : OFF

1. Connect the W.F.M. to Component PB OUT.
2. Confirm that the level is 0.486Vp-p ± 0.02Vp-p as shown in Figure34-A. If it is out of specification, adjust VR8810 so that it becomes 0.486Vp-p ± 0.02Vp-p.

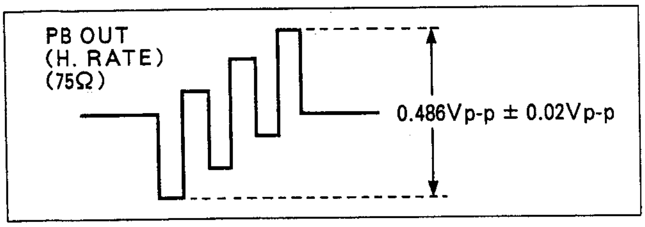


Figure E34-A

3. Connect the W.F.M. to Component PR out.
4. Confirm that the level is 0.486Vp-p ± 0.02Vp-p as shown in Figure 34-B. If it is out of specification, adjust VR8811 so that it becomes 0.486Vp-p ± 0.02Vp-p.

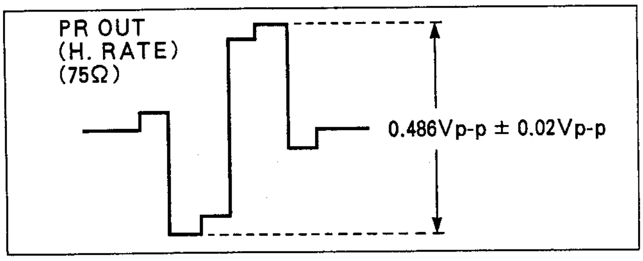


Figure E34-B

7-6. AUDIO SECTION

Unless otherwise specified, the following connections are used to check the output level from the AUDIO OUT jack (XLR) as shown in Figure E35.

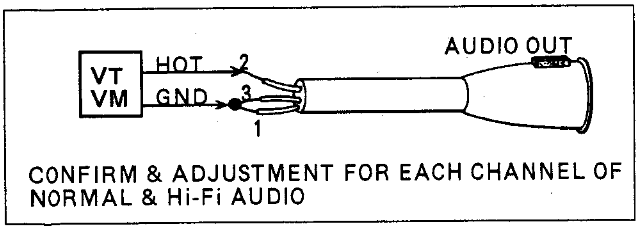

AUDIO OUT
VT
VM
HOT
GND
2
3
1
CONFIRM & ADJUSTMENT FOR EACH CHANNEL OF NORMAL & Hi-Fi AUDIO

Figure E35

(0dBm = 0.775Vrms = 2.19Vp-p)

Please note that the Audio Output Level Switch is located on the AUDIO (2) C.B.A. (C-1)

7-6-1. NORMAL AUDIO PLAYBACK FREQUENCY RESPONSE ADJ.

BOARD	AUDIO (1) C.B.A. (E7)
TP	TP40005 (CH1)(G-1), TP40007 (CH2)(E-1)
ADJ.	VR40002 (CH1)(F-1), VR40007 (CH2)(D-1)
TAPE	VFM8080HQFP, PORTION : 5
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	400Hz=5KHz (0dB ± 0.5dB)

≪ NOTE ≫
After this adjustment is finished, adjust 7-6-5. Audio Output Level Adj.

≪ SET UP ≫
PB/EE SELECT : EE (MENU NO.2004)
DOLBY NR : OFF (MENU NO.3001)
AUDIO CH2 : AUDIO (MENU NO.3006)

1. Set the VR40003 and VR40008 to the center position.
2. Play back the alignment tape at portion 5.
3. Connect a oscilloscope to TP40005 and TP40007.
4. Adjust VR40002(CH1) and VR40007(CH2) so that the 400Hz and 5KHz levels become the same (0dBm ± 0.5dBm) as shown in Figure E36.

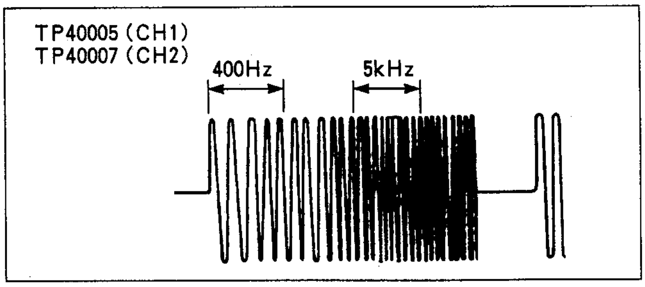


Figure E36

7-6-2. Hi-Fi AUDIO HEAD SWITCHING SHIFTER ADJ.

≪ NOTE ≫
This adjustment should be performed only after completion of 7-3-1. PG Shifter Adj.

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41004 (F-1), TP41006 (F-1)
ADJ.	VR41004 (G-1)
TAPE	VFM8080HQFP, PORTION : 1
INPUT	
MODE	PLAYBACK
M. EQ	OSCILLOSCOPE
SPEC.	FIG. E52

≪ SET UP ≫
PB/EE SELECT : EE (MENU NO. 2004)

1. Adjust VR41004 so that disappear the drop-out at the (a) and (b) positions as shown in Figure E37.

2. Turn the Tracking VR and then confirm that disappear the drop-out at the (a) and (b) positions.
3. If not, repeat the steps 1 and 2 until that disappear the drop-out.

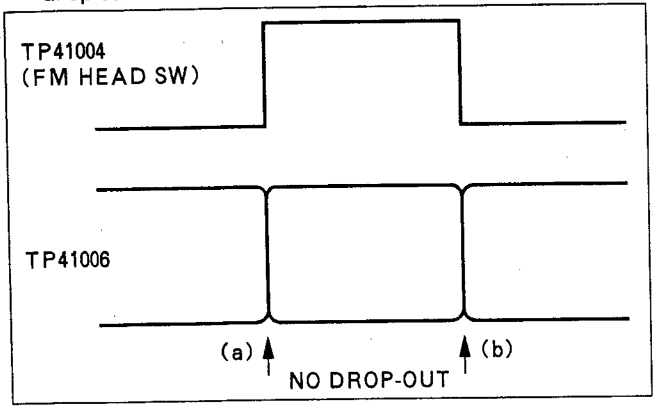


Figure E37

7-6-3. Hi-Fi AUDIO CARRIER FREQUENCY ADJ.

BOARD	AUDIO (2) C.B.A. (E8)
TP	TP41005 (CH1)(E-2), TP41008 (CH2)(F-3)
ADJ.	VR41002 (CH1)(C-1), VR41006 (CH2)(F-3)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT (E-E)
M. EQ	FREQUENCY COUNTER
SPEC.	CH1 : 1.3MHz ± 10KHz CH2 : 1.7MHz ± 10KHz

≪ SET UP ≫
PB/EE SELECT : EE (MENU NO. 2004)

1. Connect the frequency counter to TP41005 (CH1) and adjust VR41002 (CH1) so that the frequency becomes 1.3MHz ± 10KHz.
2. Connect the frequency counter to TP41008 (CH1) and adjust VR41006 (CH2) so that the frequency becomes 1.7MHz ± 10KHz.

7-6-4. AUDIO JACK OUTPUT BALANCE ADJ.

BOARD	REAR AMP C.B.A. (E28)
TP	NORM/Hi-Fi AUDIO OUT (CH1, CH2) Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NOR:VR4007(CH1)(C-1),VR4008(CH2)(C-1) Hi-Fi:VR4005(CH1)(C-2), VR4006(CH2)(C-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL (NORM/Hi-Fi) RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M.(D.V.M.)
SPEC.	LESS THAN 68mVrms

≪ SET UP ≫
PB/EE SELECT : EE (MENU NO. 2004)
DOLBY NR : OFF (MENU NO.3001)
AUDIO CH2 : AUDIO (MENU NO. 3006)

1. Play back the 1KHz, 0dB sine wave signal (NORM/Hi-Fi) other recorded tape.
2. Connect the V.T.V.M.(D.V.M.) to NORM/Hi-Fi AUDIO OUT (CH1/CH2) as shown in Figure E38.
3. Adjust VR4007 (CH1) and VR4008 (CH2) so that the level becomes minimum (less than 68mVrms).
4. Connect the V.T.V.M.(D.V.M.) to the Hi-Fi AUDIO OUT (CH1/CH2) as shown in Figure E38.
5. Adjust VR4005 (CH1) and VR4006 (CH2) so that the level becomes minimum (less than 68mVrms).

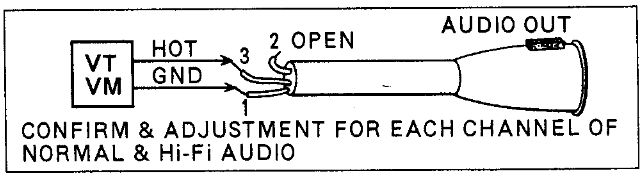

VT
VM
HOT
GND
3
2 OPEN
1
AUDIO OUT
CONFIRM & ADJUSTMENT FOR EACH CHANNEL OF NORMAL & Hi-Fi AUDIO

Figure E38

7-6-5. AUDIO OUTPUT LEVEL ADJ.

BOARD	NORM : AUDIO (1) C.B.A. (E7) Hi-Fi : AUDIO (2) C.B.A. (E8)
TP	NORM/Hi-Fi AUDIO OUT (CH1, CH2)
ADJ.	NOR:VR40003 (F-1), VR40008 (D-1) Hi-Fi:VR41001 (F-1), VR41005 (F-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL (NORM/Hi-Fi) RECORDED TAPE
INPUT	
MODE	PLAYBACK
M. EQ	V.T.V.M. (D.V.M.)
SPEC.	NORM : 2dBm ± 0.5dBm Hi-Fi : 0dBm ± 0.5dBm

≪ NOTE ≫
This Adjustment should be performed only after completion of 7-6-1. Normal Audio PB Frequency Response Adj.

≪ SET UP ≫
IMAGE MODE SELECT : NORMAL (MENU NO.2001)
PB/EE SELECT : EE (MENU NO.2004)
DOLBY NR : OFF (MENU NO.3001)
AUDIO CH2 : AUDIO (MENU NO. 3006)
AUDIO OUT SW : Hi-Fi
AUDIO OUT LEVEL SELECT : 0dBs

1. Connect the V.T.V.M. (D.V.M.) to NORM/Hi-Fi AUDIO OUT (CH1, CH2).
2. Play back the 1KHz, 0dBm sine wave signal other recorded tape (Hi-Fi).
3. Adjust VR41001 (CH1) and VR41005 (CH2) so that the level becomes 0dBm ± 0.5dBm.
4. Play back the 1KHz, 0dBm sine wave signal other recorded the (Normal).
5. Adjust VR40003 (CH1) and VR40008 (CH2) so that the level becomes 2dBm ± 0.5dBm.

7-6-6. AUDIO LEVEL METER ADJ.

≪ NOTE ≫

This adjustment should be performed only after completion of 7-6-5. Audio Output Level Adj.

BOARD	AUDIO (2) C.B.A. (E8)
TP	AUDIO METER (CH1, CH2)
ADJ.	VR41012 (CH1)(B-1), VR41013 (CH2)(B-1)
TAPE	1KHz, 0dBm SINE WAVE SIGNAL (Hi-Fi) RECORDED TAPE (S-VHS)
INPUT	
MODE	PLAYBACK
M. EQ	
SPEC.	0 ± 0.5

≪ SET UP ≫

PB/EE SELECT : EE (MENU NO.2004)
DOLBY NR : OFF (MENU NO.3001)
AUDIO CH2 : AUDIO (MENU NO.3006)
CH2 METER : AUDIO CH2
AUDIO METER SW : NORM

1. Play back the 1KHz, 0dBm sine wave signal (Hi-Fi) other recorded tape by S-VHS mode.
2. Adjust VR41012 (CH1) and VR41013 (CH2) so that the needle of Audio Level Meter (CH1 & CH2) reaches "0 ± 0.5" as shown in Figure E39.

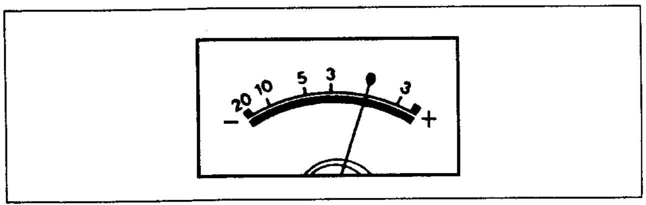


Figure E39

7-6-7. NORMAL AUDIO TIME CODE METER ADJ.

BOARD	AUDIO (2) C.B.A. (E8)
TP	AUDIO LEVEL CH2 METER
ADJ.	VR41014 (A-1)
TAPE	TIME CODE SIGNAL (or 300Hz,1Vp-p sine wave signal) OTHER RECORDED TAPE (VHS)
INPUT	
MODE	PLAUBACK
M. EQ	
SPEC.	0 ± 0.5

≪ SET UP ≫

PB/EE SELECT : PB/EE (MENU NO.2004)
AUDIO CH2 : LTC (MENU NO.3006)
CH2 METER : AUDIO CH2

1. Play back the Time Code Signal (or 300Hz, 1Vp-p sine wave signal) other recorded tape by VHS mode.
2. Adjust VR41014 so that needle of Audio level CH2 Meter reaches "0 ± 0.5" as shown in Figure E40.

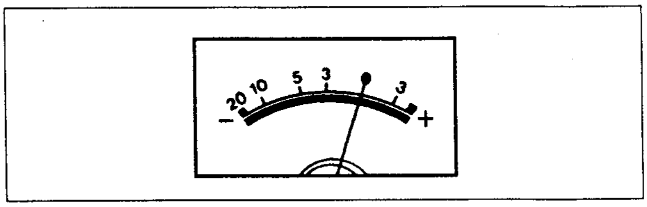


Figure E40

7-7. OTHER SECTION

7-7-1. OSD CHARACTER WIDTH ADJ.

BOARD	REAR AMP C.B.A. (E28)
TP	VIDEO MONITOR OUT
ADJ.	CT6601 (B-5)
TAPE	
INPUT	NO SIGNAL
MODE	EJECT
M. EQ	OSCILLOSCOPE
SPEC.	T=52 μsec. ±0.5 μsec.

≪ SET UP ≫

DIAL MODE : MENU

1. Connect the oscilloscope to VIDEO MONITOR OUT.
2. Turn the JOG dial so that the SETUP-MENU NO. becomes 1001 (flash).
3. Adjust CT6601 so that the "T" becomes 52 μsec ± 0.5 μsec as shown in Figure E41.

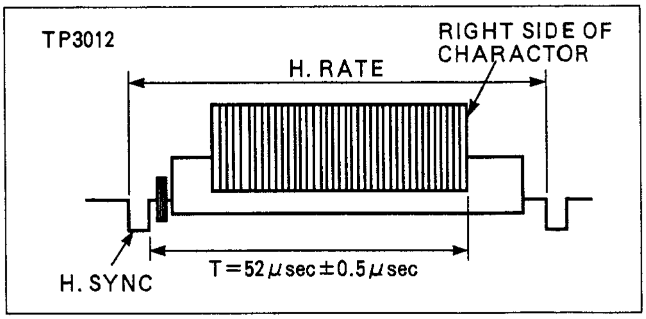


Figure E41

! Warning
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advice non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service manual by anyone else could result in serious injury or death.

Order No. VSD9610S207
D4

Service Manual

Supplement

NTSC / PAL **Video Product**

Subject : Change of Jumper Wire Connection

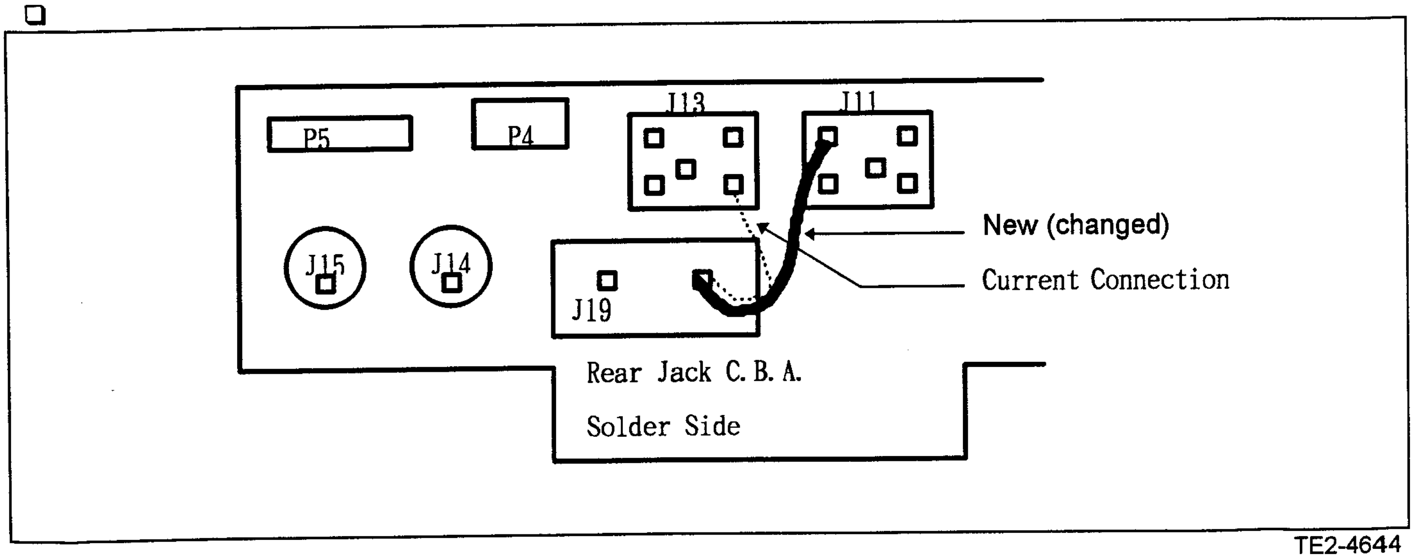
Please use this supplement together with the Service Manual as follows :

Model No.	Bulletin No.	Order No.	Effective from
AG-DS850P	80	VSD9403M244	K6-----
AG-DS850HP	3	VSD9605M201	K6-----
AG-DS840P V 11487	42	VSD9411M254	K6-----
AG-DS840HP	3	VSD9605M201	K6-----
AG-DS550P	5	VSD9511M265	K6-----
AG-DS540P	4	VSD9511M265	K6-----
AG-7700E	13	VSD9502M642	K6-----
AG-7600E	10	VSD9502M642	K6-----
AG-8700E	8	VSD9512M601	K6-----
AG-8600E	8	VSD9512M601	K6-----

Board: REAR JACK

Reason for Change

☐ The following part(s) has(have) been changed for serviceability improvement.
■ The following part(s) has(have) been changed for productivity improvement.
☐ The following part(s) has(have) been changed for standardization.
☐ The following part(s) has (have) been changed for the safety regulation.
☐



TE2-4644

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